Appendix L Permits



State of New Jersey

PHILIP D. MURPHY Governor

SHELIA Y. OLIVER *Lt. Governor*

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Land Use Regulation
Mail Code 501-02A
P.O. Box 420
Trenton, New Jersey 08625-0420
www.ni.gov/dep/landuse

CATHERINE R. MCCABE Commissioner

FLOOD HAZARD AREA APPLICABILITY DETERMINATION Flood Hazard Area Control Act Rules, N.J.A.C. 7:13 et. Seq

August 10, 2018

Mr. Brian Kirkpatrick Weston Solutions, Inc. 205 Campus Drive Edison, New Jersey 08837

RE: File No. 1225-02-0019.4 APD 180001

Applicant: Jason Schindler c/o Weston Solutions, Inc.

Dear Mr. Kirkpatrick,

This is in response to your request received on April 11, 2018 concerning the proposed remediation of Woodbridge Pond, off Riverside Drive, within Lot No. 7 of Block No. 71, in Woodbridge Township, Middlesex County.

DECISION

A review of a drawing prepared by Weston Solutions dated March 22, 2018, last revised May 24, 2018, entitled:

"REMEDIATION CONSTRUCTION WOODBRIDGE POND SITE WOODBRIDGE TOWNSHIP, MIDDLESEX COUNTY NEW JERSEY"

"PROPOSED REGULATED ACTIVITIES", Sheet No. 2 of 5

indicates the project qualifies for a Flood Hazard Area Permit By Rule.

REASON FOR DECISION

The placement of the temporary pipes qualifies for Permit By Rule No. 33, NJAC 7:13-7.33.

This letter does not relieve the applicant the responsibility of obtaining any other required State, Freshwater Wetlands, Federal or local permits and approvals. Pursuant to NJAC 7:13-2.5 (g), this applicability determination is based on the rules in effect and the information provided in the application regarding the site conditions and the proposed activities as of the date of issuance.

If you have any questions, I can be reached at <u>dennis.contois@dep.nj.gov</u> or (609) 633-6563.

Very truly yours,

Dennis Contois

Engineering Supervisor Bureau of Inland Regulation

Cc: Woodbridge Township Engineer

Woodbridge Township Construction Official

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF LAND USE REGULATION



Mail Code 501-02A, P.O. Box 420, Trenton, New Jersey 08625-0420 Telephone: (609) 777-0454 or Fax: (609) 777-3656 www.nj.gov/dep/landuse



PERMIT

In accordance with the laws and regulations of the State of New Jersey, the Department of Environmental Protection hereby grants this permit to perform the activities described below. This permit is revocable with due cause and is subject to the limitations, terms and conditions listed below and on the attached pages. For the purpose of this document, "permit" means "approval, certification, registration, authorization, waiver, etc." Violation of any term, condition or limitation of this permit is a violation of the implementing rules and may subject the permittee to enforcement action.		Approval Date SEP 1 8 2018 Expiration Date SEP 1 7 2023	
Permit Number(s):	Type of Approval(s):	Enabling Statute(s):	
1225-02-0019.4 FWW180001	FWGP4 Hazardous Site Investigation and Cleanup Water Quality Certificate	N.J.S.A. 13:9B-1 et seq. N.J.S.A. 58:10A-1 et seq.	
Permittee: Jason Schindler 205 Capus Drive Edison, NJ 08837	Site Location: Hatco – Woodbridge Pond Block(s): 71 Lot: 7 Municipality: Woodbri County: Middlesex		

Description of Authorized Activities:

This permit authorizes the temporary disturbance of 0.123 acres (5,357 square feet) of freshwater wetlands, 1.343 acres (58,501 square feet) of State Open Water and 0.034 acres (1,481 square feet) of transition area for the remediation of the Woodbridge pond on the Hatco property under a Freshwater Wetlands General Permit as shown on the plans referenced on the last page of this permit. This authorization to conduct activities in freshwater wetlands includes the issuance of a Water Quality Certificate.

The Division of Land Use Regulation has reviewed the referenced application for a General Permit authorization pursuant to the requirements of the Freshwater Wetlands Protection Act Rules at N.J.A.C. 7:7A-7. The activities allowed by this authorization shall comply with applicable conditions noted at N.J.A.C. 7:7-5.7, 7.4 and 20.2. Failure to comply with these conditions shall constitute a violation of the Freshwater Wetland Protection Act (N.J.S.A. 13:9B-1 et. seq.).

Any additional un-permitted disturbance of freshwater wetlands, State Open Waters and/or transition areas besides that shown on the approved plans shall be considered a violation of the Freshwater Wetlands Protection Act rules unless the activity is exempt or a permit is obtained from the Department prior to the start of the proposed disturbance.

Prepared by:	Received and/or Recorded by County Clerk:
Suzanne Dietrick, Supervising Environmental Specialist	
If the permittee undertakes any regulated activity authorized under a per constitute the permittee's acceptance of the permit in its entirety as w agreement to abide by the permit and all conditions therein.	

This permit is not valid unless authorizing signature appears on the last page.

FRESHWATER WETLAND SPECIAL CONDITIONS:

- 1. The permittee shall comply with the August 2009 Addendum 3 to the 2005 Consolidated Remedial Action Workplan (RAWP) approved by the NJDEP, Site Remediation Program, the USEPA and the LSRP on February 18, 2010 (SRP PI#G000003943). The LSRP for the identified site in this permit is Mark Fisher, License #586626. Any modification or changes to the construction activities authorized by this permit and/or the approved plans shall be approved in advance in writing by the Department.
- 2. All material excavated as part of the remedial activities shall be disposed of or reused onsite in accordance with Addendum 4 of the 2005 Consolidated Remedial Action Workplan (RAWP) approved by the NJDEP, Site Remediation Program, the USEPA and the LSRP on February 18, 2010 (SRP PI#G000003943).
- 3. The total amount of temporary disturbance associated with this authorization shall not exceed 0.123 acres (5,357 square feet) of freshwater wetlands, 1.343 acres (58,501 square feet) of State Open Water and 0.034 acres (1,481square feet) of transition area for the remediation of Woodbridge Pond pursuant to a February 18, 2010 approved RAWP and under a Freshwater Wetlands General Permit No. 4.
- 4. The wetlands affected by this permit authorization are of intermediate resource value and the standard transition area or buffer required adjacent to these wetlands is 50 feet. This general permit includes a transition area waiver, which allows encroachment only in that portion of the transition area, which has been determined by the Department to be necessary to accomplish the regulated activities. Any additional regulated activities conducted within the standard transition area on-site shall require a separate transition area waiver from the Division. Regulated activities within a transition area are defined at N.J.A.C. 7:7A-2.3. Please refer to the Freshwater Wetlands Protection Act (N.J.S.A. 13:9B-1 et seq.) and implementing rules (N.J.A.C. 7:7A) for additional information. (delete if TA only)
- 5. This authorization for a General Permit is valid for a term not to exceed five years from the date of this permit. If the permittee wishes to continue an activity covered by the permit after the expiration date of the permit, the permittee must apply for and obtain a permit extension or a new permit, prior to the permit's expiration. If the term of the authorization exceeds the expiration date of the general permit issued by rule, and the permit upon which the authorization is based is modified by rule to include more stringent standards or conditions, or is not reissued, the applicant must comply with the requirements of the new regulations by applying for a new GP authorization or an Individual permit.

FRESHWATER WETLAND MITIGATION PERMIT CONDITIONS:

1. The permittee shall mitigate for the temporary disturbance of **0.103** acres of emergent and **0.02** acres of scrub/shrub freshwater wetlands, **1.343** acres of State open waters, and the temporary disturbance of **0.034** acres of transition areas through an on-site restoration project as shown on the plans entitled: "REMEDIATION CONSTRUCTION, HATCO CORPORATION SITE, WOODBRIDGE TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY, PROPOSED REGULATED ACTIVITIES", sheet 2 of 5, dated March 22, last revised May 24, 2018; and "REMEDIATION CONSTRUCTION, HATCO CORPORATION SITE, WOODBRIDGE TOWNSHIP MIDDLESEX COUNTY, NEW JERSEY, LANDSCAPE RESTORATION DETAILS", sheet 5 of 5, last revised June 7, 2018, and prepared by Adam K. Brown, P.E., of Weston Solutions.

- 2. All mitigation shall be conducted immediately following completion of the activity that cause the disturbance and shall be continued to completion within six months after the end of the activity that caused the disturbance.
- 3. If the permittee fails to perform mitigation within the applicable time period, the activity shall be considered permanent and mitigation shall be required to replace the affected resource.
- 4. The permittee shall obtain a secured bond or other financial surety acceptable to the Division from a firm licensed to provide such services in New Jersey. (N.J.A.C. 7:7A-11.17)
- 5. The permittee shall notify the Mitigation Unit at the Division of Land Use Regulation in writing at least 30 days prior to the start of construction of the wetland mitigation project to arrange an on-site pre-construction meeting among the permittee, the contractor, the consultant and the Division.
- 6. To ensure the intent of the mitigation design and its predicted wetland hydrology is realized in the landscape, the mitigation designer shall be present on-site during all critical stages of mitigation construction and during the restoration of any temporarily impacted areas. Critical stages of construction include but are not limited to herbicide applications, earthmoving activities, planting, and inspections.
- 7. The permittee shall be responsible for ensuring that best management practices are used throughout construction to control the spread and colonization of highly invasive plants. Specifically, all equipment, especially tracks and tires, must be thoroughly cleaned every time equipment or vehicles move from an area containing invasive plants or from off-site to the mitigation area. In addition, soil containing root fragments and above-ground vegetative material from invasive plants shall be carefully managed during earthmoving activities and disposed of at a suitable off-site location rather than mulched and reused or stockpiled elsewhere on the site. For information on the specific species that are considered to be invasive, please refer to the Invasive Plant Atlas at http://www.invasiveplantatlas.org/index.html.
- 8. If changes to the mitigation design are necessary to ensure success of the project as a result of onsite conditions, the mitigation designer shall immediately notify the Division in writing and submit an alternative plan which achieves the proposed wetland conditions. The Division shall review the plan in accordance with N.J.A.C. 7:7A-11.7. Any modifications to the plan that are reviewed and approved by the Division must be shown on a signed and sealed revised plan. The As-Built plans required as a part of the Construction Completion Report may serve as the signed and sealed revised plan required to be submitted as part of the construction modification process described above if time constraints warrant such action and have been approved by the Division in writing.
- 9. Within 30 days of final grading of the mitigation site and prior to planting, the permittee shall notify the Mitigation Unit at the Division of Land Use Regulation in writing to arrange a post-grading construction meeting among the permittee, contractor, consultant and the Division.
- 10. Within 60 days following the final planting of the mitigation project, the permittee shall submit a Construction Completion Report to the Division detailing as-built conditions (see below) and any changes to the approved mitigation plan that were made during construction (N.J.A.C. 7:7A-11.12). The Construction Completion Report shall contain, at a minimum, the following information:
 - i. A completed <u>Wetland Mitigation Project Completion of Construction Form</u>. This form is located at http://www.nj.gov/dep/landuse/forms/index.html and certifies that

- the mitigation project has been constructed as designed and that the proposed area of wetland creation, restoration or enhancement has been accomplished;
- ii. As-Built plans which depict final grade elevations at one-foot contours and include a table of the species and quantities of vegetation that were planted including any grasses that may have been used for soil stabilization purposes; and
- iii. Photos of the constructed wetland mitigation project with a photo location map as well as the GPS waypoints in NJ state plane coordinates NAD 1983.
- 11. Within 30 days following final planting of the mitigation project, the permittee shall post the mitigation area with permanent signs which identify the site as a wetland mitigation project and that all-terrain vehicle use, motorbike use, mowing, dumping, draining, cutting and/or removal of plant materials is prohibited and that violators shall be prosecuted and fined to the fullest extent under the law. The signs must also state the name of the permittee, a contact name and phone number, and the Department's permit number.
- 12. The permittee shall monitor all freshwater wetland and transition area projects for a minimum of 5 years, unless otherwise stipulated within the approved mitigation proposal, beginning the first full growing season after the mitigation project has been completed. The permittee shall submit monitoring reports to the Division of Land Use Regulation no later than December 31st of each full monitoring year (N.J.A.C. 7:7A-11.12(g)). All monitoring reports must include the standard items identified in the checklist entitled, "Wetland Mitigation Monitoring Project Checklist", which can be found at http://www.nj.gov/dep/landuse/forms/index.html.
- 13. Once the required monitoring period has expired and the permittee has submitted the final monitoring report, the Division will make the finding that the mitigation project is either a success or a failure. This mitigation project will be considered successful if the permittee demonstrates all of the following:
 - i. That the goals of the wetland mitigation project, including acreage and the required transition area, as stated in the approved wetland mitigation proposal and the permit have been satisfied. The permittee shall submit a field wetland delineation of the wetland mitigation project based on the Federal Manual for Identifying and Delineating Jurisdictional Wetlands (1989) which shows the exact acreage of State open waters, emergent, scrub/shrub and/or forested wetlands in the mitigation area;
 - ii. The site has an 85 percent survival and 85 percent area coverage of the mitigation plantings or target hydrophytes, which are species native to the area and similar to ones identified on the mitigation planting plan. All plant species in the mitigation area must be healthy and thriving and all trees must be at least five feet in height;
 - iii. The site has less than 10 percent coverage by invasive or noxious species.
 - iv. The site contains hydric soils or there is evidence of reduction occurring in the soil; and,
 - v. The proposed hydrologic regime as specified in the mitigation proposal has been satisfied.
- 14. The permittee is responsible for assuming all liability for any corrective work necessary to meet the success criteria established above (N.J.A.C. 7:7A-11.12(i)). The Division will notify the permittee in writing if the mitigation project is considered to be a failure. Within 30 days of notification, the permittee shall submit a revised mitigation plan to meet the success criteria

identified above for Division review and approval. The financial surety, if required, will not be released by the Division until such time that the permittee satisfies the success criteria as stipulated above.

Please note, pursuant to page 2 of 'Attachment M, "Mitigation Plan Compliance" in the Environmental Report prepared by Weston Solutions, should state open water subaquatic vegetation not re-establish within 3 years post-remedial activities, it will be the permittee's responsibility to replace benthic spatterdock (*Nuphar lutea*) within areas in which contaminated subsurface sediments were removed in accordance with the planting specifics described in 'Attachment M'.

STANDARD CONDITIONS:

- 1. The issuance of a permit shall in no way expose the State of New Jersey or the Department to liability for the sufficiency or correctness of the design of any construction or structure(s). Neither the State nor the Department shall, in any way, be liable for any loss of life or property that may occur by virtue of the activity or project conducted as authorized under a permit.
- 2. The issuance of a permit does not convey any property rights or any exclusive privilege.
- 3. The permittee shall obtain all applicable Federal, State, and local approvals prior to commencement of regulated activities authorized under a permit.
- 4. The permittee will be responsible for the installation of a sediment barrier around all disturbed soils, which is sufficient to prevent the sedimentation of the remaining wetlands and transition area. In addition, a permittee conducting an activity involving soil disturbance, the creation of drainage structures, or changes in natural contours shall obtain any required approvals from the Soil Conservation District having jurisdiction over the site.
- 5. The permittee shall take all reasonable steps to prevent, minimize, or correct any adverse impact on the environment resulting from activities conducted pursuant to the permit, or from noncompliance with the permit.
- 6. The permittee shall immediately inform the Department by telephone at (877) 927-6337 (Warn DEP Hotline) of any noncompliance that may endanger the public health, safety, and welfare, or the environment. In addition, the permittee shall inform the Division of Land Use Regulation by telephone at (609) 777-0454 of any noncompliance within twelve hours of the time the permittee becomes aware of the noncompliance, and in writing within five working days of the time the permittee becomes aware of the noncompliance. Such notice shall not, however, serve as a defense to enforcement action if the project is found to be in violation of this chapter. The written notice shall include:
 - a. A description of the noncompliance and its cause;
 - b. The period of noncompliance, including exact dates and times;
 - c. If the noncompliance has not been corrected, the anticipated length of time it is expected to continue; and
 - d. The steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- 7. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the authorized activity in order to maintain compliance with the conditions of the permit.

- 8. The permittee shall allow an authorized representative of the Department, upon the presentation of credentials, to:
 - a. Enter upon the permittee's premises where a regulated activity is located or conducted, or where records must be kept under the conditions of the permit;
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit; and
 - c. Inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. Failure to allow reasonable access under this paragraph shall be considered a violation of this chapter and subject the permittee to enforcement action.
- 9. The permittee and its contractors and subcontractors shall comply with all conditions, site plans, and supporting documents approved by the permit. Any noncompliance with a permit constitutes a violation of this chapter and is grounds for enforcement action under, as well as, in the appropriate case, suspension and/or termination of the permit.
- 10. All conditions, site plans, and supporting documents approved by a permit shall remain in full force and effect so long as the regulated activity or project, or any portion thereof, is in existence, unless the permit is modified.
- 11. If any condition or permit is determined to be legally unenforceable, modifications and additional conditions may be imposed by the Department as necessary to protect public health, safety, and welfare, or the environment.
- 12. A copy of the permit and all approved site plans and supporting documents shall be maintained at the site at all times and made available to Department representatives or their designated agents immediately upon request.
- 13. A permit shall be transferred to another person only in accordance with the regulations N.J.A.C. 7:7A-20.5.
- 14. A permit can be suspended or terminated by the Department for cause as specified at N.J.A.C. 7:7A-20.8 and 20.9.
- 15. The submittal of a request to modify a permit by the permittee, or a notification of planned changes or anticipated noncompliance, does not stay any condition of a permit.
- 16. Where the permittee becomes aware that it failed to submit any relevant facts in an application, or submitted incorrect information in an application or in any report to the Department, it shall promptly submit such facts or information.
- 17. The permittee shall submit written notification to the Bureau of Coastal and Land Use Compliance and Enforcement, 401 East State Street, 4th Floor, P.O. Box 420, Mail Code 401-04C, Trenton, NJ 08625, seven days prior to the commencement of site preparation or of regulated activities, whichever comes first. The notification shall contain proof of recording of a conservation restriction or easement, if one was required as part of the permit.
- 18. The permittee shall not cause or allow any unreasonable interference with the free flow of a regulated water by placing or dumping any materials, equipment, debris, or structures within or adjacent to the channel while the regulated activity(ies) is being undertaken. Upon completion of the regulated activity(ies), the permittee shall remove and dispose of in a lawful manner, all

excess materials, debris, equipment, and silt fences and other temporary soil erosion and sediment control devices from all regulated areas.

- 19. The regulated activity shall not destroy, jeopardize, or adversely modify a present or documented habitat for threatened or endangered species, and shall not jeopardize the continued existence of any local population of a threatened or endangered species.
- 20. Best management practices as defined at NJ.A.C. 7:7A-1.3, shall be followed whenever applicable.
- 21. If the permittee, before or during the work authorizes, encounters a possible historic property, as described at N.J.A.C. 7:7A-19.5(l), that is or may be eligible for listing in the New Jersey or National Register, the permittee shall preserve the resource and immediately notify the Department and proceed as directed.
- 22. The permittee shall record the permit, including all conditions listed therein, with the Office of the County Clerk (the Registrar of Deeds and Mortgages, if applicable) of each county in which the site is located. The permit shall be recorded within 30 calendar days of receipt by the permittee, unless the permit authorizes activities within two or more counties, in which case the permit shall be recorded within 90 calendar days of receipt. Upon completion of all recording, a copy of the recorded permit shall be forwarded to the Division of Land Use Regulation at the address set forth at N.J.A.C. 7:7A-1.4.

APPROVED PLANS:

The drawings hereby approved are five (5) sheets prepared by Bhuvnesh J. Parekh, P.E. of Weston Solutions, dated April 2018, unless otherwise noted, entitled "Remediation Construction Hatco Corporation Site, Woodbridge Township, Middlesex County, New Jersey" and are as follows:

APPEAL OF DECISION:

In accordance with N.J.A.C. 7:7A-21, any person who is aggrieved by this decision may request a hearing within 30 days of the date the decision is published in the DEP Bulletin by writing to: New Jersey Department of Environmental Protection, Office of Legal Affairs, Attention: Adjudicatory Hearing Requests, Mail Code 401-04L, P.O. Box 402, 401 East State Street, 7th Floor, Trenton, NJ 08625-0402. This request must include a completed copy of the Administrative Hearing Request Checklist found at www.state.nj.us/dep/landuse/forms. Hearing requests received after 30 days of publication notice may be denied. The DEP Bulletin is available on the Department's website at www.state.nj.us/dep/bulletin. In addition to your hearing request, you may file a request with the Office of Dispute Resolution to engage in alternative dispute resolution. Please see the website www.nj.gov/dep/odr for more information on this process.

[&]quot;Existing Features", April 2018 (Drawing GP-1)

[&]quot;Proposed Regulated Activities", May 24, 2018 (Drawing GP-2)

[&]quot;Conceptual Piping Layout and Profile" undated (Drawing GP-3)

[&]quot;Existing and Proposed Topography Map and Landscape Restoration Plan" March 22, 2018 (Drawing GP-4)

[&]quot;Landscape Restoration Details" June 7, 2018 (GP-5)

If you need clarification on any section of this permit or conditions, please contact the Division of Land Use Regulation's Technical Support Call Center at (609) 777-0454.

Approved By:

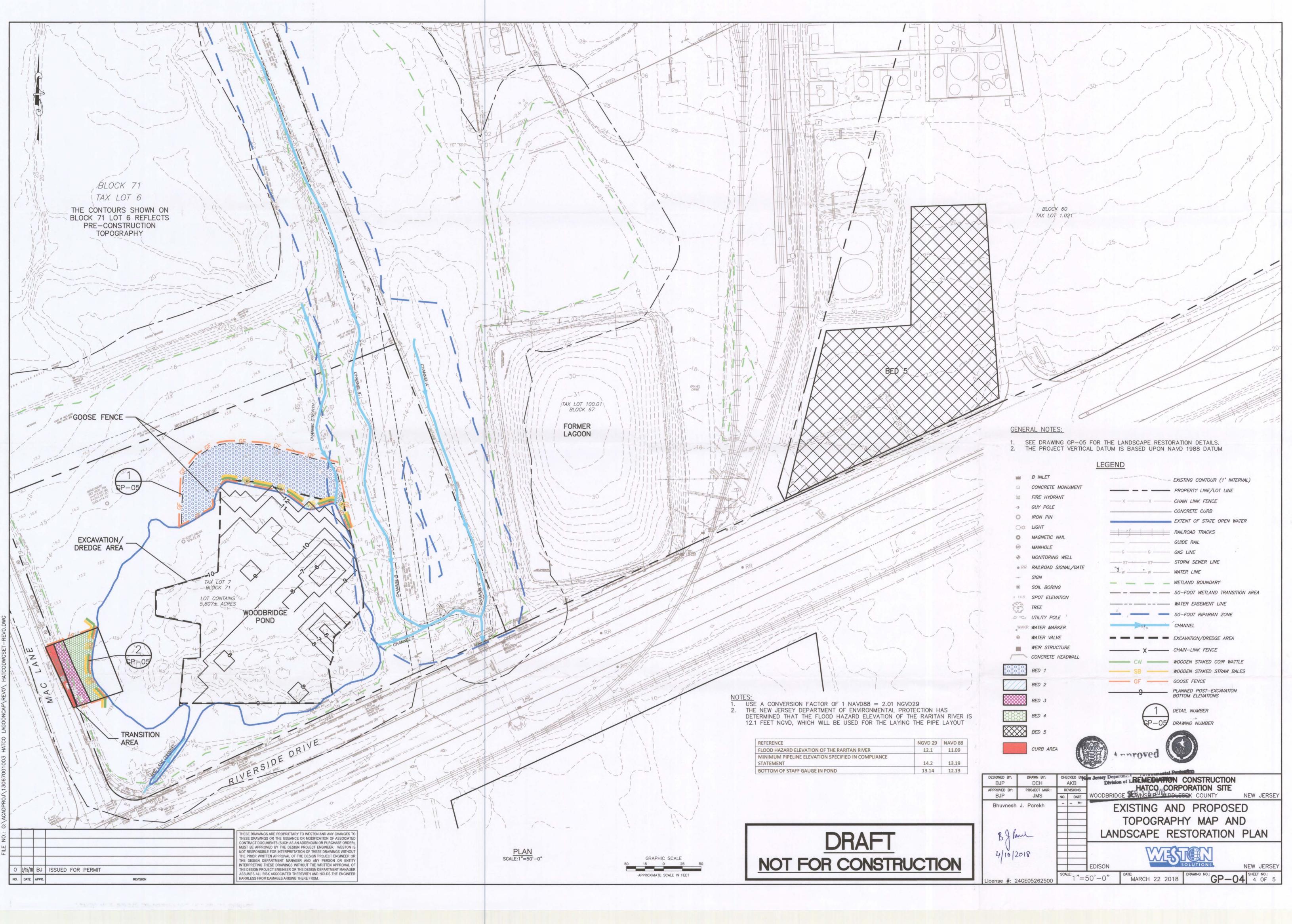
Suzanne U) Dietrick, Supervising Environmental Specialist

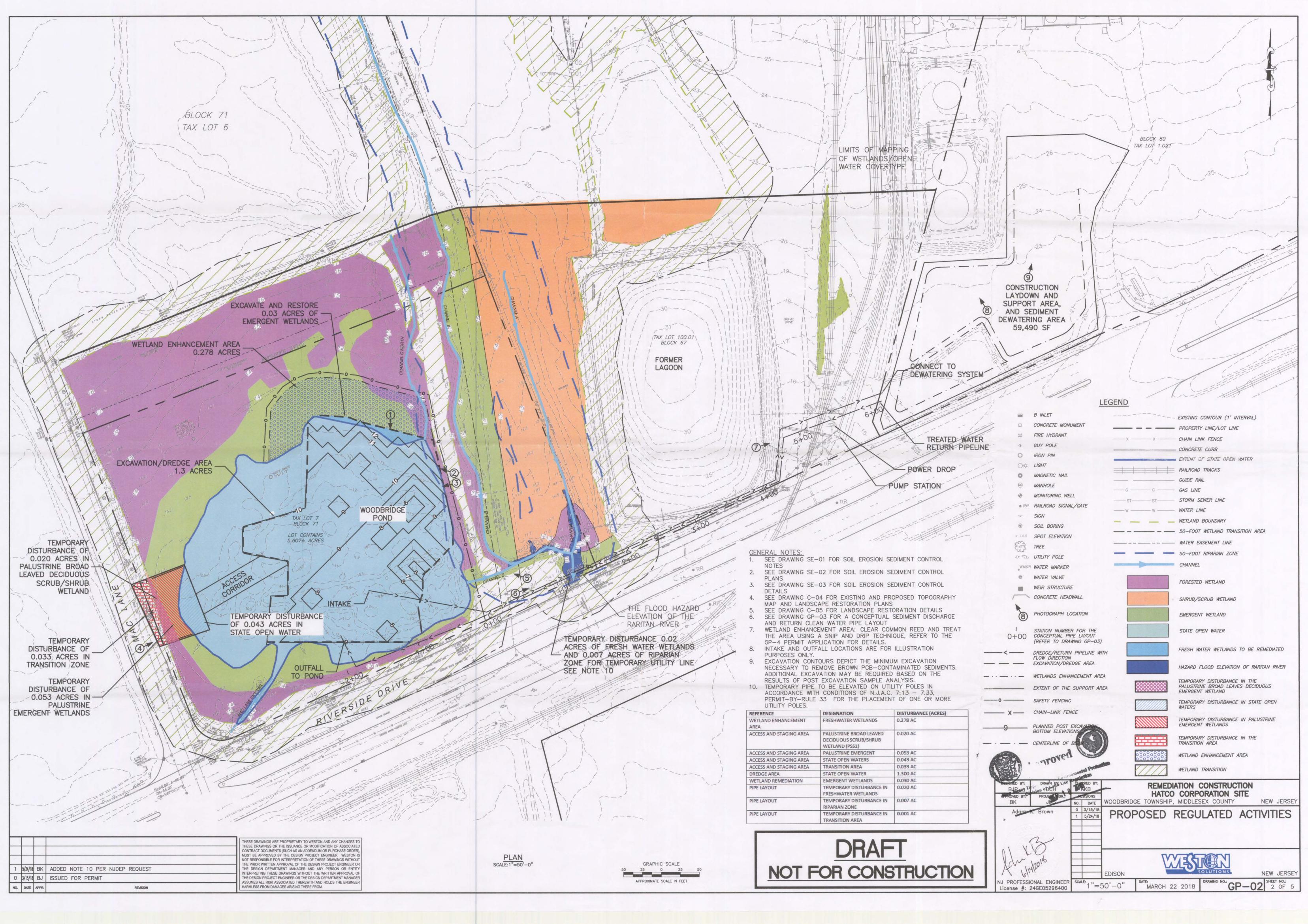
Division of Land Use Regulation

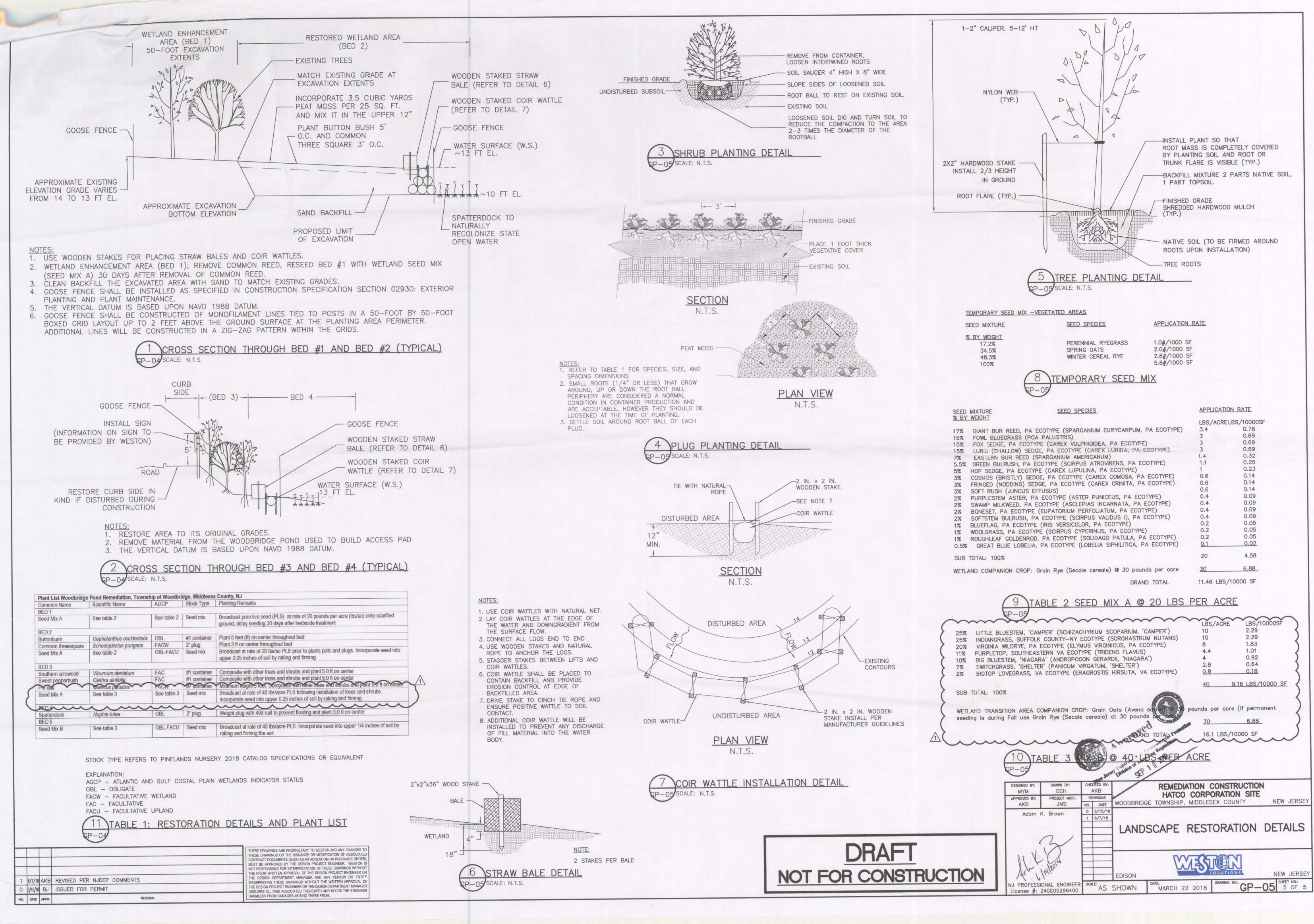
Original sent to Agent to record

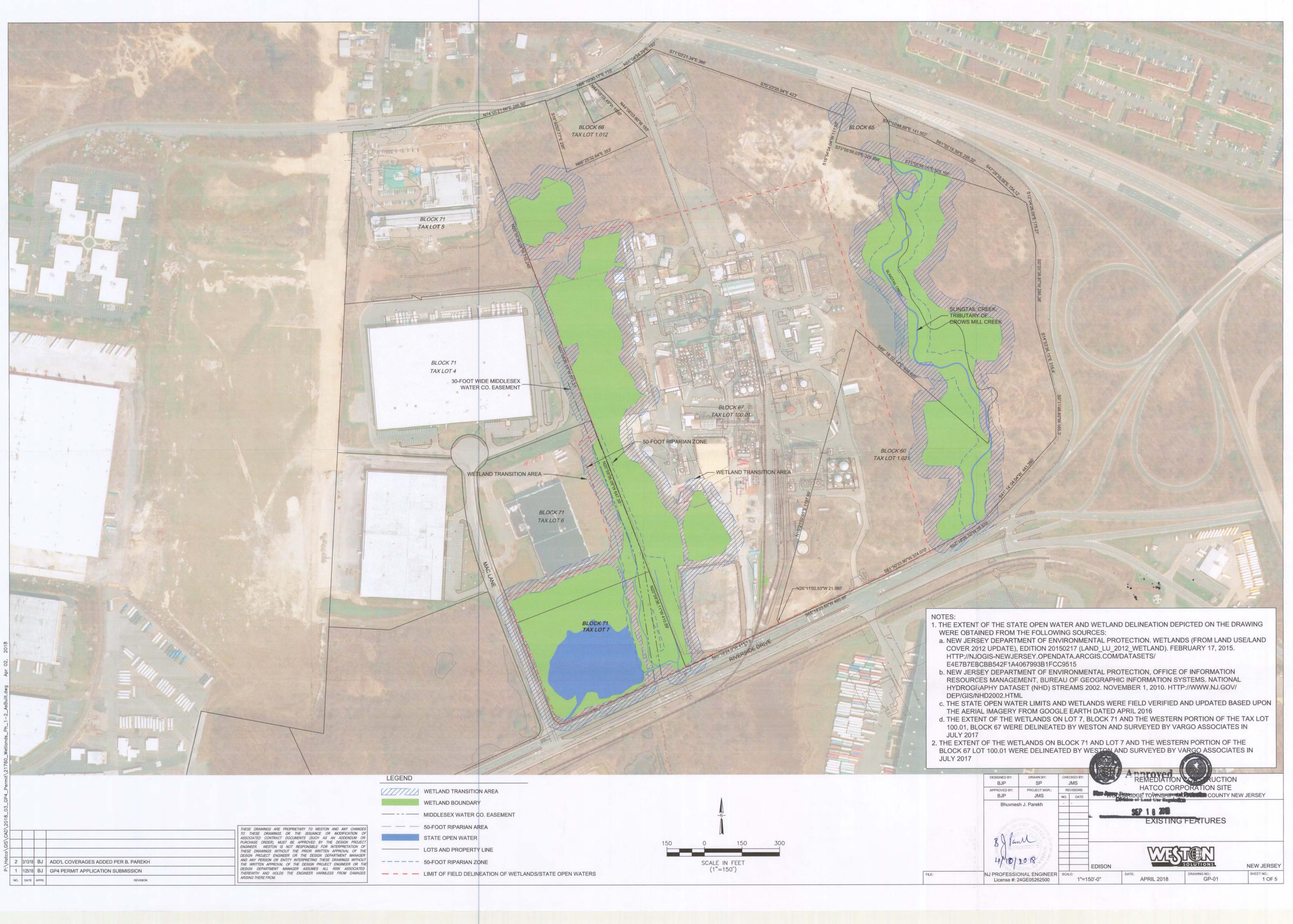
c: Permittee

Construction Official









FREEHOLD SOIL CONSERVATION DISTRICT

(Serving Middlesex and Monmouth Counties)

4000 Kozloski Road, P.O. Box 5033 Freehold, New Jersey 07728-5033

Tel: (732) 683-8500 Fax: (732) 683-9140

E-mail: info@freeholdscd.org Website: www.freeholdsoil.org

10/23/18



WESTON SOLUTIONS, INC. 205 CAMPUS DRIVE EDISON NJ 08837

Ref.#: 2018-0797

Proj.: WOODBRIDGE POND REMEDIATION

Twp. : WOODBRIDGE

Block: 71 Lots: 7

CERTIFICATION LETTER

Pursuant to the New Jersey Soil Erosion and Sediment Control Act; N.J.S.A. 4:24-39 et. seq., Chapter 251, P.L. 1975 and as amended by C. 264, P.L. 77 and C. 459, P.L. 79, the Freehold Soil Conservation District hereby grants certification of the soil erosion and sediment control plan for the above referenced project, subject to the following:

- That the applicant carries out all land disturbance activities in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey, promulgated by the State Soil Conservation Committee.
- The owner/applicant must obtain a District issued Report of Compliance prior to the issuance of any Certificates of Occupancy by the municipality.
- Changes in the certified plan relating to, or that will affect land disturbance on the site, must be submitted to the District office for certification.
- The owner / applicant must notify the District forty-eight (48) hours prior to any land disturbing activity.

A copy of the certified plan must be kept on the job site at all times.

This plan certification is valid for 3 ½ years (valid until 4/23/2022), is limited to the controls specified in this plan. It is not authorization to engage in proposed land use unless the municipality or other controlling agency has previously approved such use. Failure to comply with the above conditions may result in the issuance of a STOP CONSTRUCTION ORDER.

Sincerely,

cc: Planning Board

Construction Official Municipal Engineer Applicant's Engineer Ines M. Zimmerman District Manager

FREEHOLD COUNTY STANDARD EROSION AND SEDIMENT CONTROL NOTES

- 1. THE FREEHOLD SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY SOIL DISTURBING ACTIVITY.
- 2. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- 3. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE—CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
- 4. N.J.S.A 4:24-39 ET. SEQ. REQUIRES THAT NO CERTIFICATES OF OCCUPANCY BE ISSUED BEFORE THE DISTRICT DETERMINES THAT A PROJECT OR PORTION THEREOF IS IN FULL COMPLIANCE WITH THE CERTIFIED PLAN AND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY AND A REPORT OF COMPLIANCE HAS BEEN ISSUED. UPON WRITTEN REQUEST FROM THE APPLICANT, THE DISTRICT MAY ISSUE A REPORT OF COMPLIANCE WITH CONDITIONS ON A LOT-BY-LOT OR SECTION-BY-SECTION BASIS, PROVIDED THAT THE PROJECT OR PORTION THEREOF IS IN SATISFACTORY COMPLIANCE WITH THE SEQUENCE OF DEVELOPMENT AND TEMPORARY MEASURES FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN IMPLEMENTED, INCLUDING PROVISIONS FOR STABILIZATION AND SITE WORK.
- 5. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN SIXTY (60) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF 2 TO 2 ½ TONS PER ACRE, ACCORDING TO THE STANDARD FOR STABILIZATION WITH MULCH ONLY.
- 6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. SOIL STOCKPILES, STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AND A MULCH ANCHOR, IN ACCORDANCE WITH STATE STANDARDS.
- 7. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS TO STABILIZE STREETS, ROADS, DRIVEWAYS, AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN FIFTEEN (15) DAYS OF THE PRELIMINARY GRADING.
- THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A PAD OF CLEAN CRUSHED STONE AT POINTS WHERE TRAFFIC WILL BE ACCESSING THE CONSTRUCTION SITE. AFTER INTERIOR ROADWAYS ARE PAVED, INDIVIDUAL LOTS REQUIRE A STABILIZED CONSTRUCTION ACCESS CONSISTING OF ONE INCH TO TWO INCH (1" 2") STONE FOR A MINIMUM LENGTH OF TEN FEET (10') EQUAL TO THE LOT ENTRANCE WIDTH. ALL OTHER ACCESS POINTS SHALL BE BLOCKED OFF.
- 9. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAYS WILL BE REMOVED IMMEDIATELY.
- 10. PERMANENT VEGETATION IS TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING.
- 11. AT THE TIME THAT SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT IT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
- 12. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE ULTIMATELY PLACED OR BURIED WITH LIMESTONE APPLIED AT THE RATE OF 10 TONS/ACRE, (OR 450 LBS/1,000 SQ FT OF SURFACE AREA) AND COVERED WITH A MINIMUM OF 12" OF SETTLED SOIL WITH A PH OF 5 OR MORE, OR 24" WHERE TREES OR SHRUBS ARE TO BE PLANTED.
- 13. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
- 14. UNFILTERED DEWATERING IS NOT PERMITTED. NECESSARY PRECAUTIONS MUST BE TAKEN DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER. ANY DEWATERING METHODS USED MUST BE IN ACCORDANCE WITH THE STANDARD FOR DEWATERING.
- 15. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED AS REQUIRED BY THE STANDARD FOR DUST CONTROL.
- 16. STOCKPILE AND STAGING LOCATIONS ESTABLISHED IN THE FIELD SHALL BE PLACED WITHIN THE LIMIT OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AND STOCKPILES NOT LOCATED WITHIN THE LIMIT OF DISTURBANCE WILL REQUIRE CERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN. CERTIFICATION OF A NEW SOIL EROSION AND SEDIMENT CONTROL PLAN MAY BE REQUIRED FOR THESE ACTIVITIES IF AN AREA GREATER THAN 5,000 SQUARE FEET IS DISTURBED.
- 17. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #6.
- 18. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

1 6/7/18 AB I ISSUED FOR PERMIT APPROVAL INCORPORATING NJDEP COMMENTS

NO. DATE APPR.

O 4/2/18 AB ISSUED FOR PERMIT APPROVAL ISSUED TO NJDEP AS PART OF GP-4 PERMIT

HESE DRAWINGS ARE PROPRIETARY TO WESTON AND ANY CHANGES TO

THESE DRAWINGS OR THE ISSUANCE OR MODIFICATION OF ASSOCIATED CONTRACT DOCUMENTS (SUCH AS AN ADDENDUM OR PURCHASE ORDER), MUST BE APPROVED BY THE DESIGN PROJECT ENGINEER. WESTON IS NOT RESPONSIBLE FOR INTERPRETATION OF THESE DRAWINGS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE DESIGN PROJECT ENGINEER OR THE DESIGN DEPARTMENT MANAGER AND ANY PERSON OR ENTITY

NTERPRETING THESE DRAWINGS WITHOUT THE WRITTEN APPROVAL OF THE DESIGN PROJECT ENGINEER OR THE DESIGN DEPARTMENT MANAGER

SSUMES ALL RISK ASSOCIATED THEREWITH AND HOLDS THE ENGINEER

ARMLESS FROM DAMAGES ARISING THERE FROM.

EROSION AND SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION GENERAL:

1. THE FREEHOLD COUNTY SOIL CONSERVATIONS DISTRICT (FCSCD) AND THE WOODBRIDGE TOWNSHIP BUILDING DEPARTMENT MUST BE CONTACTED AT LEAST 48 HRS BEFORE COMMENCEMENT OF CONSTRUCTION. PRIOR TO INITIATING EARTH DISTURBANCE ALL UNDERGROUND UTILITIES MUST BE LOCATED, CLEARLY MARKED AND PROTECTED.

WOODBRIDGE POND SITE [ANTICIPATED DURATION]:

- 1. MOBILIZE SITE, INSTALL SHORELINE TURBIDITY BARRIER, AND INLET PROTECTION. [5 DAYS]
- 2. CLEAR AND GRUB ALL VEGETATION WITHIN THE LIMIT OF DISTURBANCE AS NECESSARY TO COMPLETE THE WORK. [5 DAYS]
- 3. INSTALL ACCESS ROCK CONSTRUCTION ENTRANCE RAMP AND OTHER TEMPORARY FILL AS NECESSARY TO CONSTRUCT THE ACCESS AND STAGING AREA, DEWATER IN ACCORDANCE WITH THE STANDARD FOR DEWATERING IF NECESSARY. PROVIDE TEMPORARY STABILIZATION AS NEEDED TO PREVENT UNCONTROLLED RELEASE OF SEDIMENT (REFER TO THE PERMANENT & TEMPORARY SEEDING SPECIFICATION). [5 DAYS]
- 4. IMPLEMENT DUST CONTROL MEASURES DAILY THROUGHOUT CONSTRUCTION IN ACCORDANCE WITH STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY. [50 DAYS]
- 5. DEPLOY AND MAINTAIN FLOATING TURBIDITY BARPIER AT THE PERIMETER OF THE ACCESS CORRIDOR TO REMAIN IN PLACE DURING VESSEL LAUNCHING ACTIVITIES. ACCESS CORRIDOR FLOATING TURBIDITY BARRIER SHALL BE REMOVED PRIOR TO DREDGING OF CONTAMINATED MATERIAL. [5 DAYS]
- 6. DEPLOY AND MAINTAIN FLOATING TURBIDITY BARRIER IN THE DREDGING AREA. THE BARRIER SHALL BE INSTALLED IN A MANNER THAT WILL NOT INTERFERE WITH POND HYDRAULICS AND ALLOW FOR THE PASSAGE OF THE DESIGN FLOW QUANTITIES AS DESCRIBED IN THE STORMWATER MANAGEMENT REPORT FOR WOODBRIDGE POND REMEDIATION PROJECT BLOCK 71 LOT 7 AND BLOCK 60 LOT 1.021 WOODBRIDGE TOWNSHIP, NEW JERSEY DATED APRIL 2018.]
- 7. DEPLOY COIR WATTLE AS SHOWN IN DETAIL 7 ON DRAWING C-06. [5 DAYS]
- 8. RESTORE NORTH SLOPE OF POND PER APPROVED GP-4 PERMIT. [5 DAYS]
- 9. REMOVE SHORELINE TURBIDITY BARRIER AFTER INSTALLATION OF UPLAND EROSION CONTROLS, AND THE TURBIDITY WITHIN CONTAINED AREA HAS REACHED THE NATURAL TURBIDITY OF WOODBRIDGE POND. [5 DAYS]
- 10. DEPLOY COIR WATTLE, STRAW BALES OR APPROVED EQUIVALENTS AT THE STAGING AND ACCESS AREA. [5 DAYS]
- 11. REMOVE EXCESS SOILS, RESTORE SITE GRADES TO PRE-CONSTRUCTION GRADES, AND REPLACE TOPSOIL IN THE STAGING AND ACCESS AREA. RESTORE AREA PER APPROVED GP-4 PERMIT AND DEMOBILIZE REMAINING EQUIPMENT. [5 DAYS]
- 12. PROVIDE FINAL APPLICATION OF PERMANENT SEED MIX AND LANDSCAPING. (REFER TO THE PERMANENT & TEMPORARY SEEDING SPECIFICATION ON SHEET C-05 AND C-06) [20 DAYS]
- 13. AFTER SITE IS STABILIZED, CONTACT FCSCD FOR FINAL INSPECTION.
- 14. REMOVE TEMPORARY SEDIMENTATION AND EROSION CONTROLS.

GENERAL MITIGATION STANDARDS FOR ACID PRODUCING SOILS

IN THE EVENT ACID PRODUCING SOILS ARE FOUND ON SITE, THE FOLLOWING PROCEDURES SHOULD BE IMPLEMENTED:

- 1. THE AREA OF ACID PRODUCING SOIL DEPOSITS EXPOSED SHOULD BE NO LARGER THAN THAT WHICH IS ABSOLUTELY NECESSARY FOR THE CONDUCT OF THE PROJECT. CONSTRUCTION SCHEDULES SHOULD BE REEVALUATED TO PROVIDE MINIMUM PRACTICABLE EXPOSURE OF ACID PRODUCING SOIL DEPOSITS.
- 2. WHERE THE TOP LAYER OF SOIL (REMAINING AFTER CLEARANCE OF VEGETATION) IS FREE FROM ACID PRODUCING SOIL DEPOSITS, SUCH SOIL SHOULD BE STRIPPED AND STOCKPILED SEPARATELY FROM THE DEEPER, ACID PRODUCING SOIL DEPOSITS TO BE EXPOSED. NO ACID PRODUCING SOIL DEPOSITS SHALL BE INCLUDED IN THIS STOCKPILE.
- 3. ACID PRODUCING SOIL DEPOSITS (INCLUDING SOIL CONTAMINATED WITH SUCH DEPOSITS AND CONTAMINATED SOIL WASHED FROM CONSTRUCTION EQUIPMENT) SHOULD NOT BE EXPOSED FOR MORE THAN EIGHT HOURS EXCEPT WHERE ABSOLUTELY NECESSARY FOR THE CONDUCT OF THE PROJECT. IF SUCH DEPOSITS MUST BE EXPOSED FOR MORE THAN EIGHT HOURS, SUCH DEPOSITS SHOULD BE COVERED WITH PULVERIZED LIMESTONE AT THE RATE OF 30 TONS PER ACRE (1375 POUNDS PER 1,000 SQUARE FEET) AND THEN COVERED WITH A MINIMUM OF ONE FOOT OF COMPACTED TOPSOIL (FREE OF ACID PRODUCING SOIL DEPOSITS) WITHIN ONE WEEK AFTER EXPOSURE, OR BEFORE THE PH OF A WELL—MIXED SAMPLE FROM THE UPPERMOST TWO INCHES OF THE EXPOSED DEPOSIT DROPS TO 3.0. WHICHEVER OCCURS FIRST.
- 4. EQUIPMENT USED FOR EXCAVATING OR BACKFILLING ACID PRODUCING SOIL DEPOSITS SHOULD BE CLEANED AT THE END OF EACH DAY'S OPERATION IN SUCH A WAY THAT WILL NOT CAUSE THE SPREADING OF ACID PRODUCING SOIL DEPOSITS ONTO UNCONTAMINATED SOIL OR INTO THE WATERCOURSE.
- 5. EVERY EFFORT SHOULD BE MADE TO MINIMIZE THE SPREADING OR MIXING OF ACID PRODUCING SOIL DEPOSITS (INCLUDING SOIL CONTAMINATED WITH SUCH DEPOSITS) ONTO OR INTO SOIL FREE OF SUCH DEPOSITS (ON OR OFF THE CONSTRUCTION SITE). NO CONSTRUCTION SHOULD TAKE PLACE DURING RAINSTORMS OR WHILE THE GROUND IS SATURATED, IF SUCH CONSTRUCTION IS LIKELY TO SMEAR OR SPREAD ACID PRODUCING SOIL DEPOSITS OVER UNCONTAMINATED SOIL OR INTO WATERWAYS. IF ACID PRODUCING SOIL DEPOSITS MUST BE STOCK—PILED ON TOP OF SOIL HERETOFORE FREE OF SUCH DEPOSITS, THE AREA USED FOR STOCKPILING SHOULD BE MINIMIZED. EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE APPLIED WHERE ACID PRODUCING SOIL DEPOSITS ARE EXPOSED OR STOCKPILED, TO PREVENT OR REDUCE THE MOVEMENT OF ACID PRODUCING MATERIAL INTO WATERCOURSES OR ONTO CONTAMINATED SOIL.
- 6. EXCAVATED MATERIAL SHOULD BE RETURNED TO TRENCHES OR PITS IN THE ORDER OF ITS REMOVAL, I.E., LOWER MATERIAL FIRST, FOLLOWED BY UPPER MATERIAL. HOWEVER, IF ACID PRODUCING SOIL DEPOSITS ARE FOUND ONLY IN THE UPPER MATERIAL, THEN THE UPPER MATERIAL SHOULD BE RETURNED FIRST. THIS EXCEPTION ALSO APPLIES WHERE ACID PRODUCING SOIL DEPOSITS ARE STOCKPILED ON SOIL HERETOFORE UNCONTAMINATED WITH SUCH DEPOSITS, THE TOP TWO INCHES OF SUCH SOIL SHOULD BE SCRAPED OFF AND BURIED ALONG WITH THE "LOWER MATERIAL." THE SURPLUS MATERIAL RESULTING DUE TO PERMANENT GRADE REDUCTION, PLACEMENT OF PIPES OR OTHER STRUCTURES, AND SOIL SCRAPED FROM AREAS UNDER TEMPORARY STOCKPILES OF ACID PRODUCING SOIL DEPOSITS, SHOULD BE SUBSTITUTED FOR AN EQUAL QUANTITY OF DEEPER MATERIAL WHICH IN TURN SHOULD BE REMOVED TO A SUITABLE DISPOSAL SITE. AFTER BACKFILLING THE DEEPER MATERIAL, PULVERIZED LIMESTONE SHOULD BE SPREAD OVER THE TOP OF THE MATERIAL, AT THE RATE OF TEN (10) TONS PER ACRE (460 POUNDS PER 1000 SQUARE FEET), BEFORE THE APPLICATION OF THE SURFACE LAYER OF SOIL. THIS LIMING PROCEDURE IS APPLICABLE ONLY IN WELL-DRAINED AREAS. THE TOP LAYER OF SOIL, FREE OF ACID PRODUCING SOIL DEPOSITS, STRIPPED AND STOCKPILED IN ITEM 3 ABOVE, SHOULD THEN BE REPLACED. IF NECESSARY, ADDITIONAL QUANTITIES OF TOPSOIL SHOULD BE IMPORTED SO AS TO ENSURE AT LEAST ONE (1) FOOT DEEP COVER OF SOIL, FREE OF ACID PRODUCING SOIL DEPOSITS. RESTRICTIONS ESTABLISHED IN THE RULES CONCERNING THE AMOUNT OF NET FILL THAT MAY BE PLACED IN FLOOD HAZARD AREAS MUST ALSO BE COMPLIED WITH.
- 7. TEMPORARY VEGETATIVE COVER SHOULD NOT BE USED FOR STABILIZATION OF ACID PRODUCING SOIL DEPOSITS UNLESS THE LIMING AND TOPSOIL APPLICATION REQUIREMENTS OF ITEM 6, AND THE SURFACE SOIL PH REQUIREMENTS OF ITEM 8 ARE FIRST MET. OTHERWISE, TEMPORARY STABILIZATION OF ACID PRODUCING SOIL DEPOSITS SHOULD BE ACCOMPLISHED WITH "MULCH ONLY", IN ACCORDANCE WITH THE "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY." NO MORE THAN EIGHT HOURS SHOULD ELAPSE BEFORE THE APPLICATION OF MULCH. (MULCHING FOR TEMPORARY STABILIZATION IS NOT A SUBSTITUTE FOR THE LIMESTONE AND TOPSOIL APPLICATION REQUIREMENTS OF ITEMS 3 AND 6. MULCH SHOULD NOT BE DIRECTLY APPLIED TO THE EXPOSED SURFACE OF ACID PRODUCING SOIL DEPOSITS, BUT RATHER TO THE TOPSOIL APPLIED TO COVER SUCH DEPOSITS.)
- 8. WHERE APPLICABLE, PERMANENT VEGETATION SHOULD BE ESTABLISHED AS SOON AS POSSIBLE TAKING INTO ACCOUNT THE SIX WEEKS THAT MAY BE NEEDED FOR THE "INCUBATION TEST" DISCUSSED BELOW. REVEGETATION MUST BE PERFORMED UNDER THE DIRECTION OF A SOILS SPECIALIST OR AGRONOMIST, WHO BY TRAINING OR EXPERIENCE IS FAMILIAR WITH THE PROBLEMS OF RE-VEGETATING ACID PRODUCING SOIL DEPOSITS. THE SOILS SPECIALIST OR AGRONOMIST SHOULD PERFORM PH TESTS ON THE SURFACE LAYER OF SOIL WHERE THE VEGETATION WILL ROOT (ALLOWING FOR ROOT EXPANSION DUE TO PLANT GROWTH). IF THE PH IS BELOW 4.0, THE SOILS SPECIALIST OR AGRONOMIST SHOULD ALSO PERFORM INCUBATION LIME REQUIREMENT TESTS (SOIL SAMPLE ALLOWED TO OXIDIZE FOR SIX (6) WEEKS) TO DETERMINE LIME APPLICATION RATES. THE PH OF THE SURFACE LAYER OF SOIL MUST BE RAISED TO AT LEAST 5.0 BEFORE SEEDING OR PLANTING. SEEDING SHOULD ALWAYS BE ACCOMPANIED BY MULCHING.
- 9. IN ADDITION TO THE ABOVE REQUIREMENTS, THE "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL" SHOULD BE MET.

PRELIMINARY DESIGN
ISSUED FOR PERMIT
APPROVAL

DUST CONTROL NOTES

THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST:

MULCHES - SEE STANDARD FOR STABILIZATION WITH MULCHES ONLY (PG. 5-1; STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY)

VEGETATIVE COVER - REFER TO THE "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY". SEE STANDARD FOR TEMPORARY VEGETATIVE COVER (PG. 7-1), PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION (PG. 4-1), AND PERMANENT STABILIZATION WITH SOD (PG. 6-1).

SPRAY-ON ADHESIVES - ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

TABLE 16-1: DUST CONTROL MATERIALS

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY (GAL./ACRE)
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300
POLYACRYLAMIDE (PAM) - SPRAY ON POLYACRYLAMIDE (PAM) - DRY SPRAY	MAY ALSO BE BASINS TO FLOO	IG TO MANUFACTURER'S I USED AS AN ADDITIVE TO CCULATE AND PRECIPITATI SEDIMENT BASIN STANDAR	O SEDIMENT E SUSPENDED
ACIDULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200

TILLAGE — TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL—TYPE PLOWS SPACED ABOUT 12 INCHES APART, AND SPRING—TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.

SPRINKLING - SITE IS SPRINKLED UNTIL THE SURFACE IS WET.

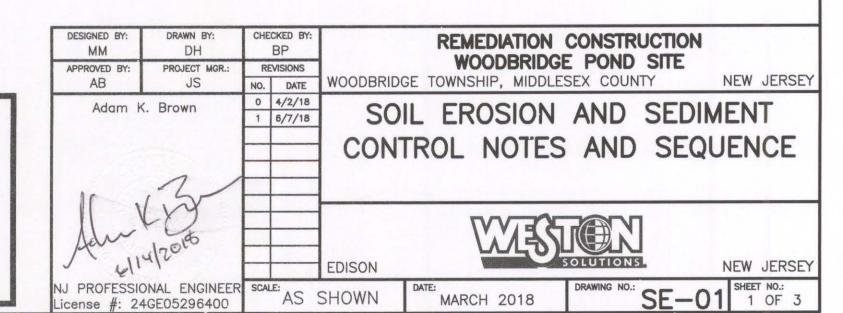
BARRIERS - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

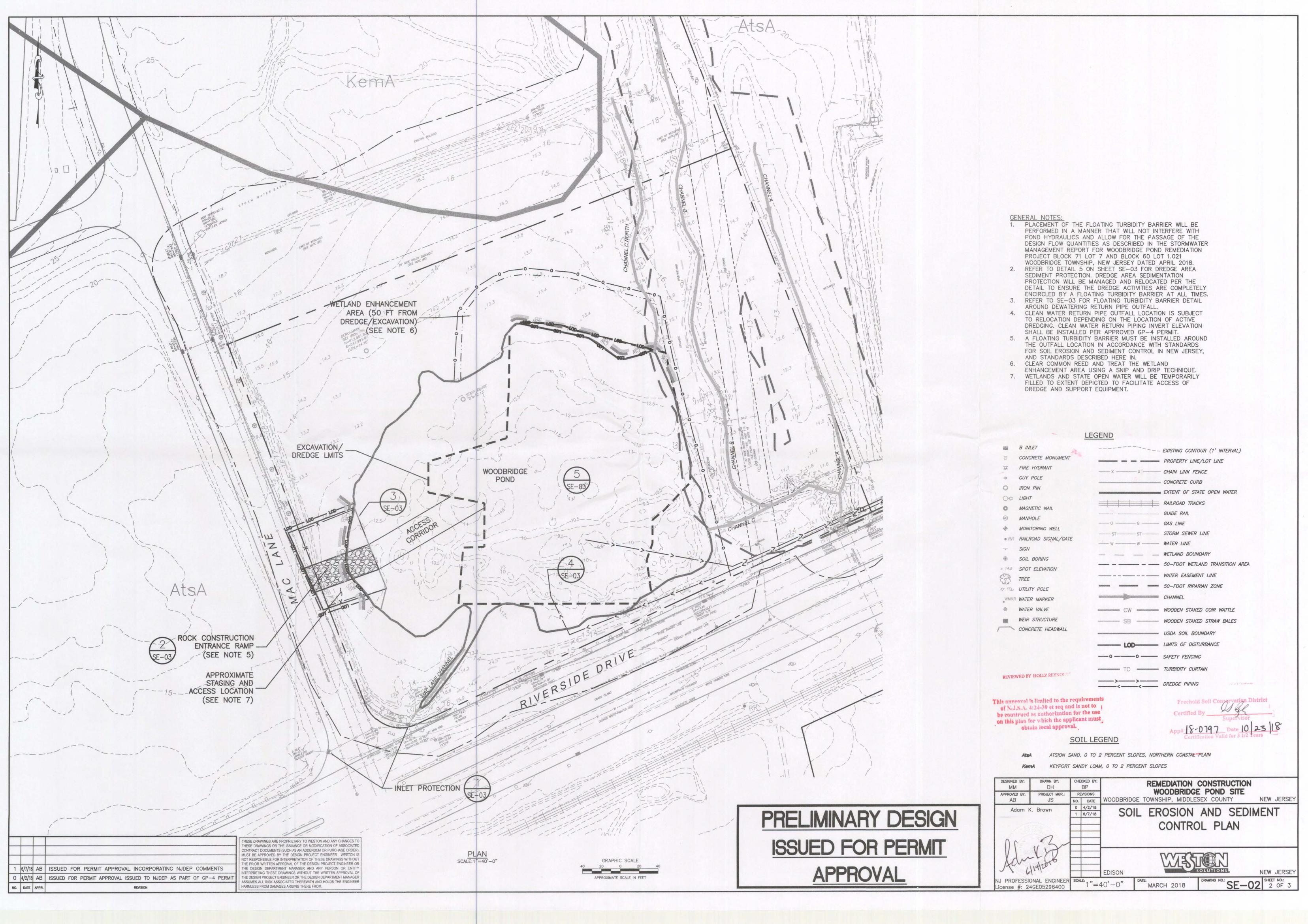
CALCIUM CHLORIDE — SHALL BE IN THE FORM OF LOOSE, DRY GRANULATES OF FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS, OR ACCUMULATION AROUND PLANTS.

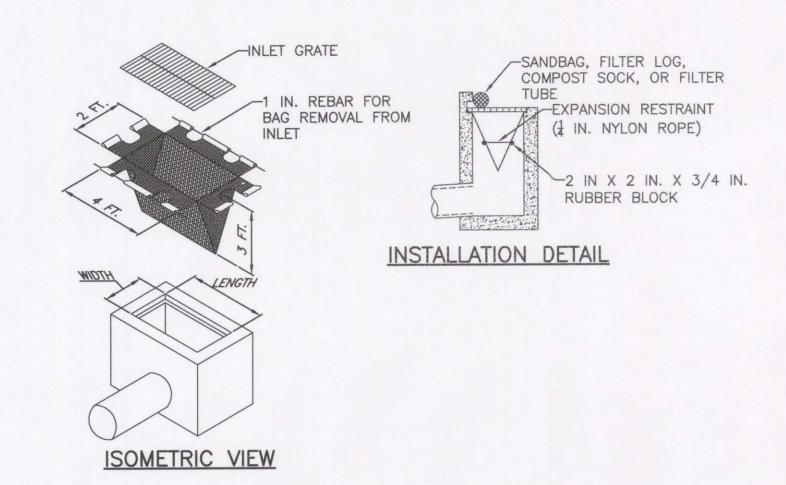
STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

SEEDING AND VEGETATIVE STABILIZATION

1. REFER TO SHEET C-05 AND C-06 FOR SEEDING SPECIFICATIONS.

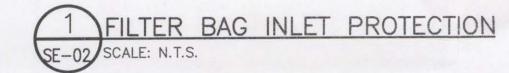


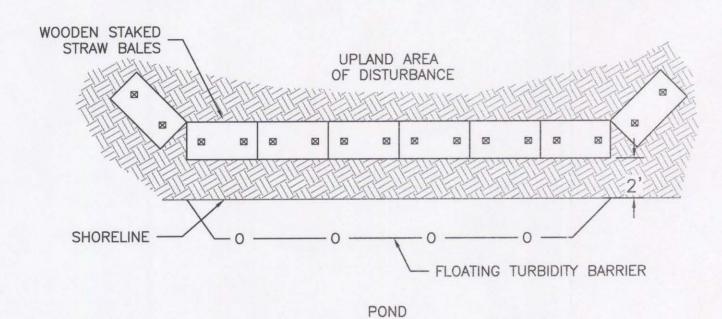




NOTES:

- 1. AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.
- 2. INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.
- 3. DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.





CONTAINMENT OF SHORELINE DISTURBANCE (TYPICAL) SE-02 SCALE: N.T.S.

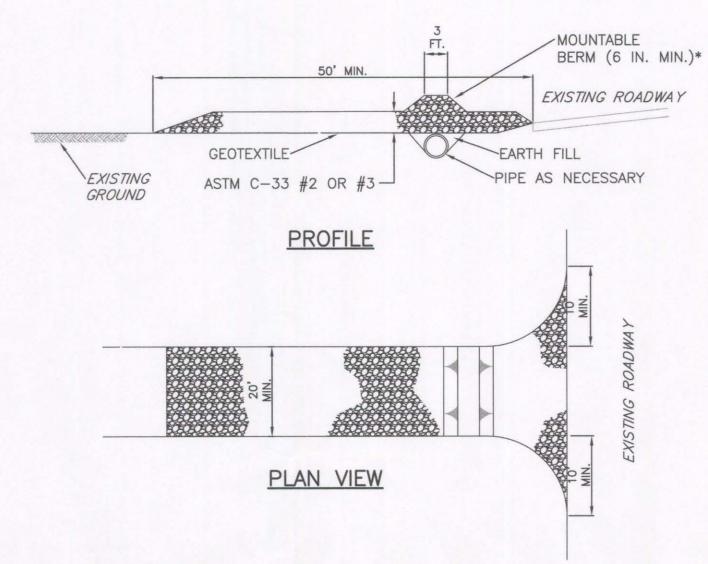
1. PRIOR TO COMMENCEMENT OF SHORTLINE DISTURBANCE ACTIVITIES INSTALL FLOATING TURBIDITY BARRIER PARALLEL TO SHORELINE.

- 2. AFTER COMPLETION OF DISTURBANCE ACTIVITY, INSTALL SEDIMENT BARRIER (WOODEN STAKED STRAW BALES OR APPROVED EQUIVALENT) 2 FEET UPLAND OF WATER EDGE. 3. WHEN SEDIMENT BARRIER INSTALLATION IS COMPLETE, REMOVE FLOATING TURBIDITY
- BARRIER.

	1	6/7/18	AB	ISSUED FOR PERMIT APPROVAL INCORPORATING NJDEP COMMENTS
	0	4/2/18	AB	ISSUED FOR PERMIT APPROVAL ISSUED TO NJDEP AS PART OF GP-4 PERM
1	NO	DATE	ADDD	PEVISION

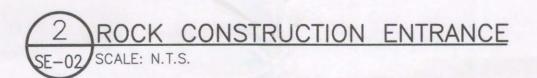
THESE DRAWINGS OR THE ISSUANCE OR MODIFICATION OF ASSOCIATED CONTRACT DOCUMENTS (SUCH AS AN ADDENDUM OR PURCHASE ORDER), MUST BE APPROVED BY THE DESIGN PROJECT ENGINEER. WESTON IS NOT RESPONSIBLE FOR INTERPRETATION OF THESE DRAWINGS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE DESIGN PROJECT ENGINEER OF HE DESIGN DEPARTMENT MANAGER AND ANY PERSON OR ENTITY NTERPRETING THESE DRAWINGS WITHOUT THE WRITTEN APPROVAL OF THE DESIGN PROJECT ENGINEER OR THE DESIGN DEPARTMENT MANAGER ASSUMES ALL RISK ASSOCIATED THEREWITH AND HOLDS THE ENGINEER HARMLESS FROM DAMAGES ARISING THERE FROM.

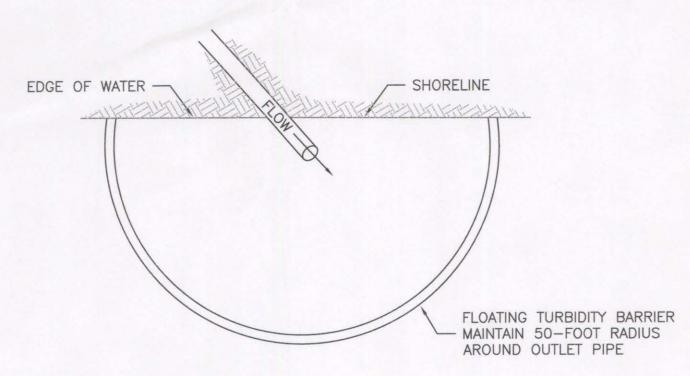
THESE DRAWINGS ARE PROPRIETARY TO WESTON AND ANY CHANGES TO



* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

- 1. REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
- 2. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
- 3. MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.
- 4. MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.





NOTES:

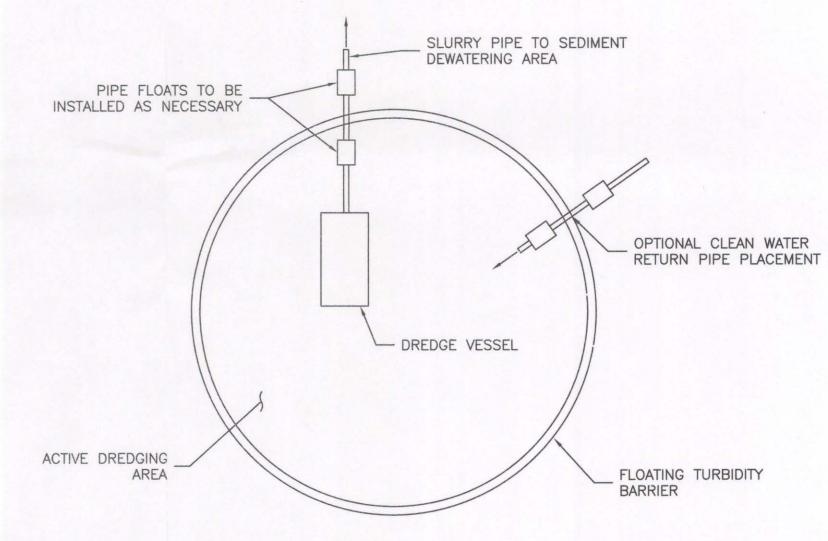
1. REFER TO LANDSCAPE RESTORATION PLAN C-05 FOR

SITE REVEGETATION DETAILS AND NOTES.

NOTES:

- 1. INVERT OF RETURN PIPE SHALL BE ABOVE ELEVATION OF
- 12.5 FEET (NAVD88).
- 2. PROVIDE PIPE FLOATS AS NECESSARY, TO COMPLETE THE
- 3. FLOW FROM CLEAN WATER RETURN LINE SHALL BE DIRECTED TO AN UNCONTAMINATED AREA OF THE POND INCLUDING AREAS THAT HAVE BEEN DREDGED TO BE CLEAN.
- 4. A FLOATING TURBIDITY BARRIER MUST ENCIRCLE THE END OF THE LINE AS SHOWN AND BE LOCATED AT LEAST 50 FEET FROM THE DISCHARGE POINT. THIS MAY BE ACHIEVED AS INDICATED IN DETAIL 5 ON SHEET SE-03.



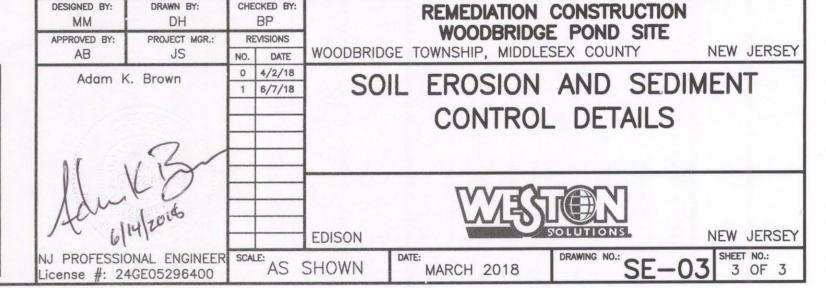


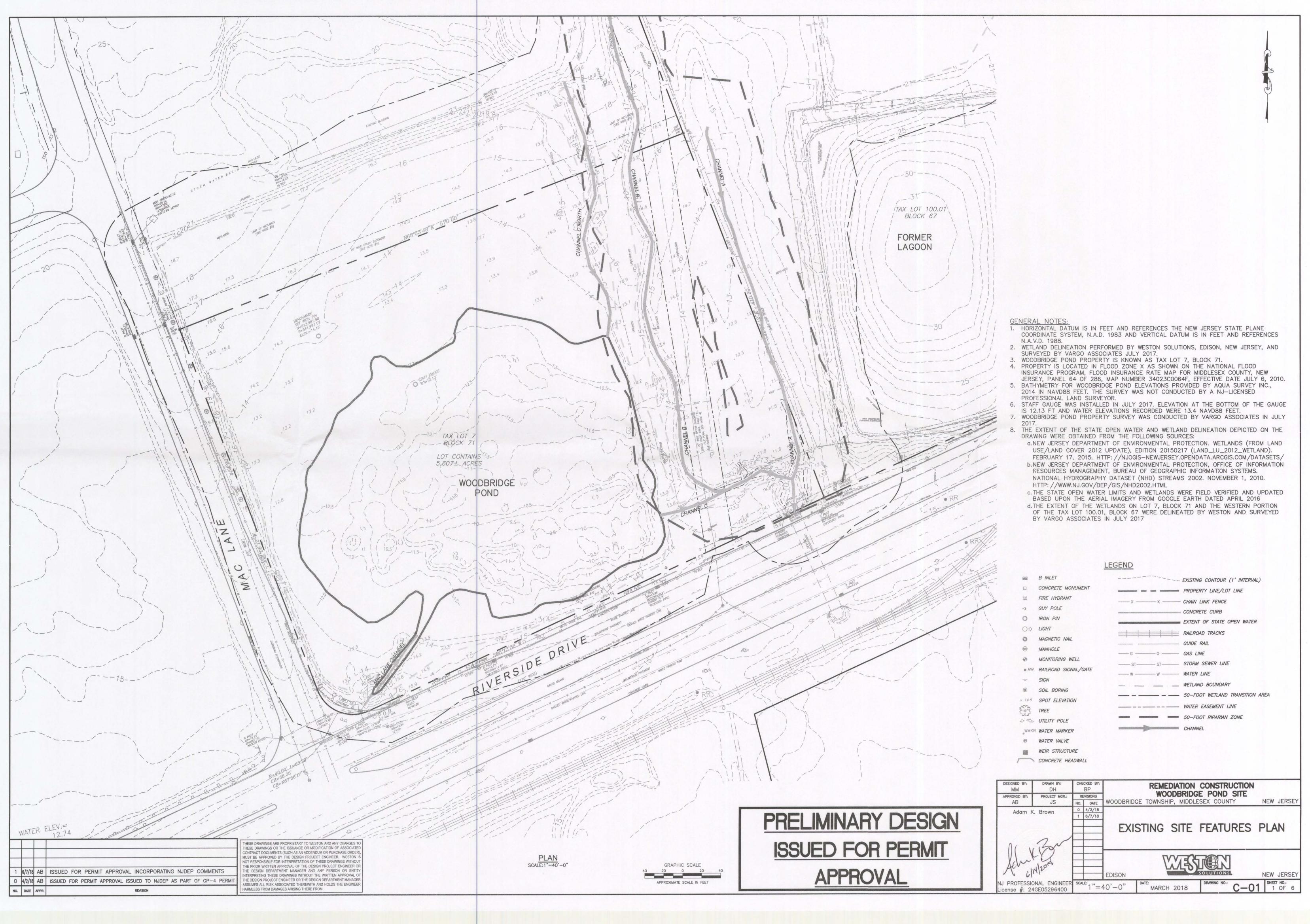
NOTES:

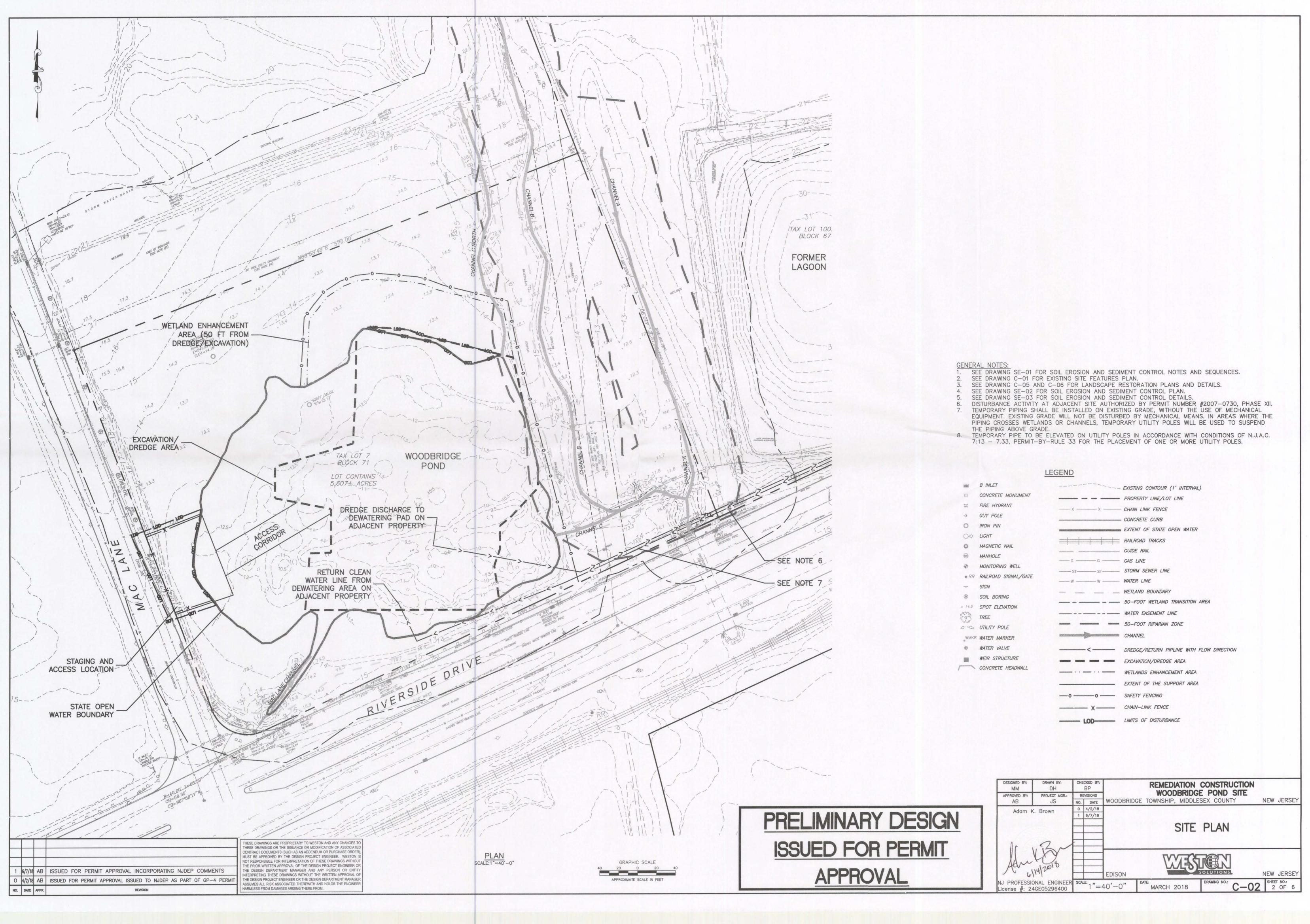
- 1. THE FLOATING TURBIDITY BARRIER SHALL HAVE FLOATS, BOTTOM WEIGHTS, AND ANCHORS TO PROVIDE A STABLE BARRIER TO SEDIMENT MOVEMENT WITHIN THE WATER
- COLUMN. 2. THE FLOATING TURBIDITY BARRIER SHALL BE INSTALLED TO PROVIDE A COMPLETE ENCLOSURE AROUND THE ACTIVE DREDGE AREA UNTIL THE DREDGE AREA HAS RETURNED TO NATURAL TURBIDITY LEVELS.
- 3. THE FLOATING TURBIDITY BARRIER MATERIAL, ORIENTATION, AND ACCESSORY STRUCTURES MUST BE DESIGNED SO AS TO NOT IMPEDE POND HYDRAULICS DURING STORM EVENTS, NOR FORCE STORMWATER FLOWS THROUGH AN ACTIVE DREDGE AREA. THE BARRIER DEPLOYMENT MAY BE MOVED, PHASED, AND SECTIONED AS NECESSARY TO ACHIEVE THIS REQUIREMENT.

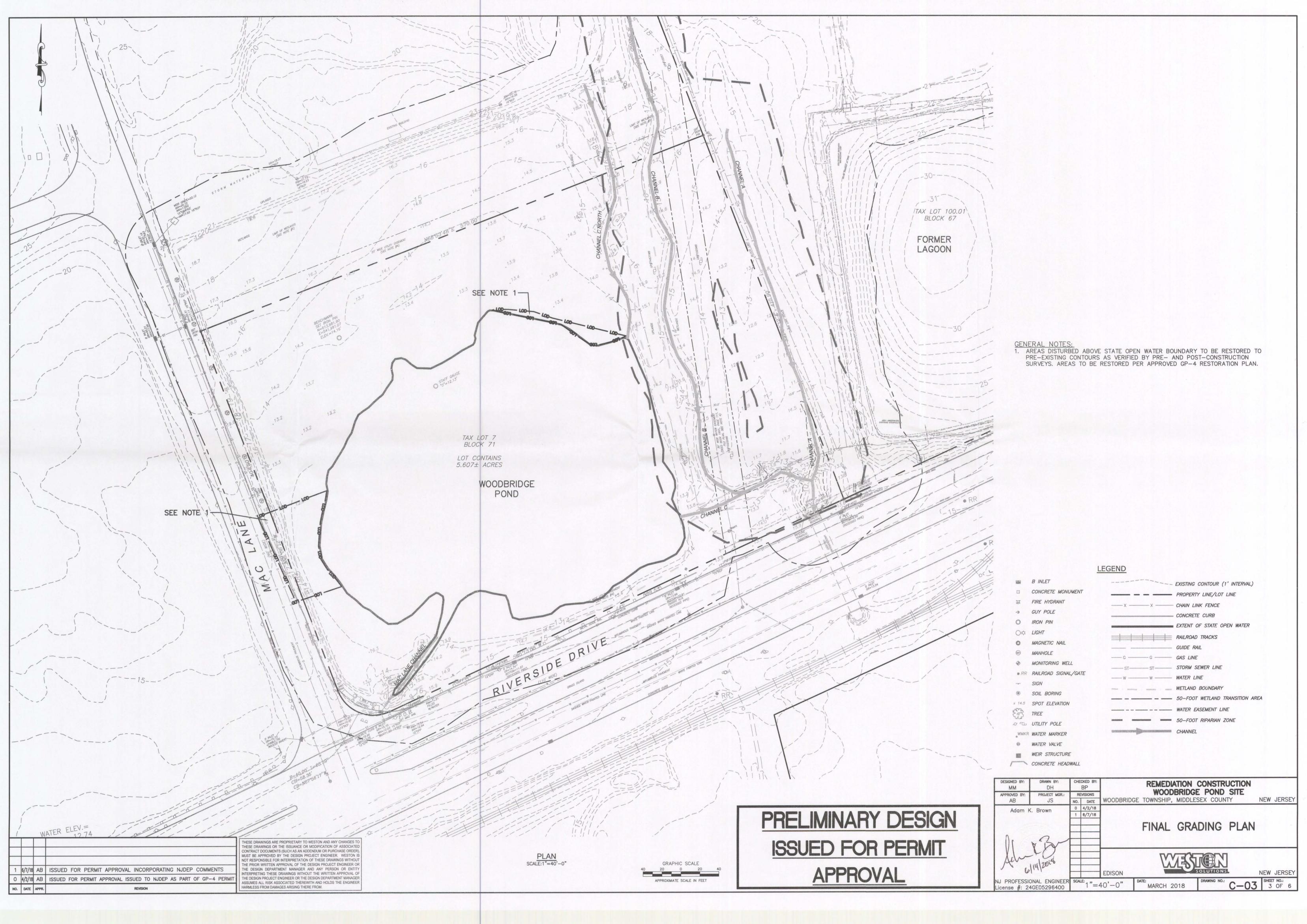
DREDGE ACTIVITY CONTAINMENT DETAILS (TYP.)

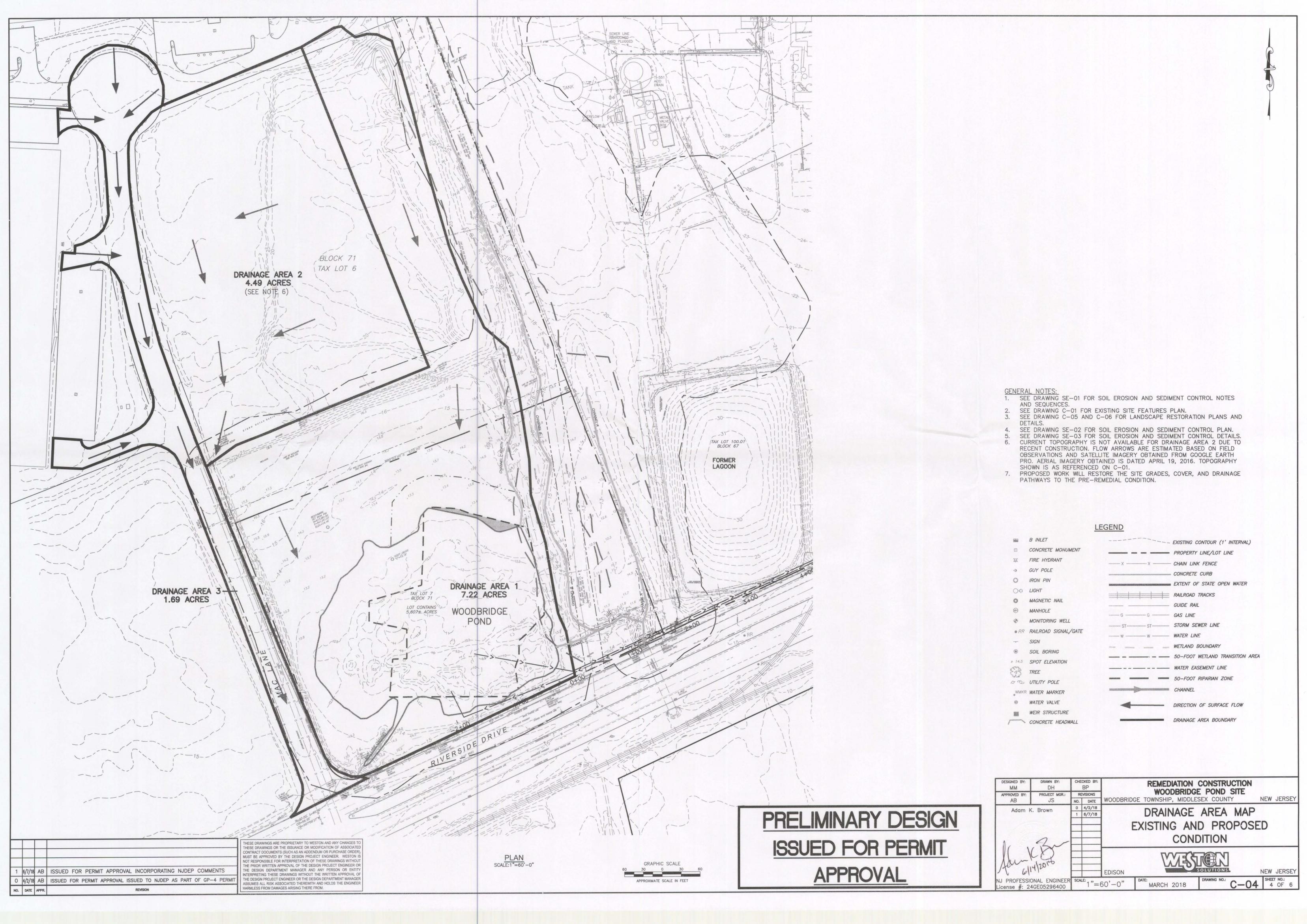
PRELIMINARY DESIGN ISSUED FOR PERMIT APPROVAL

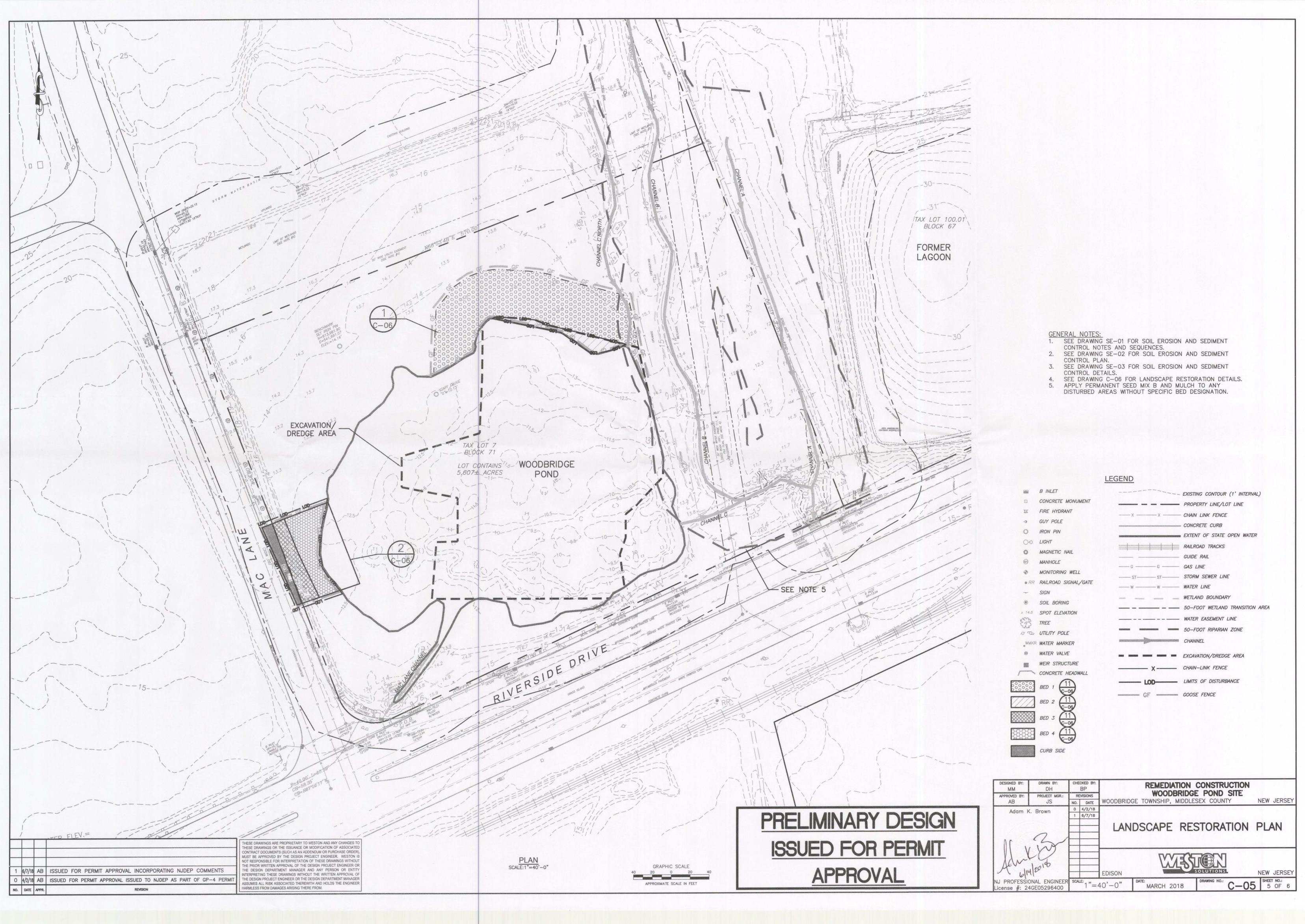


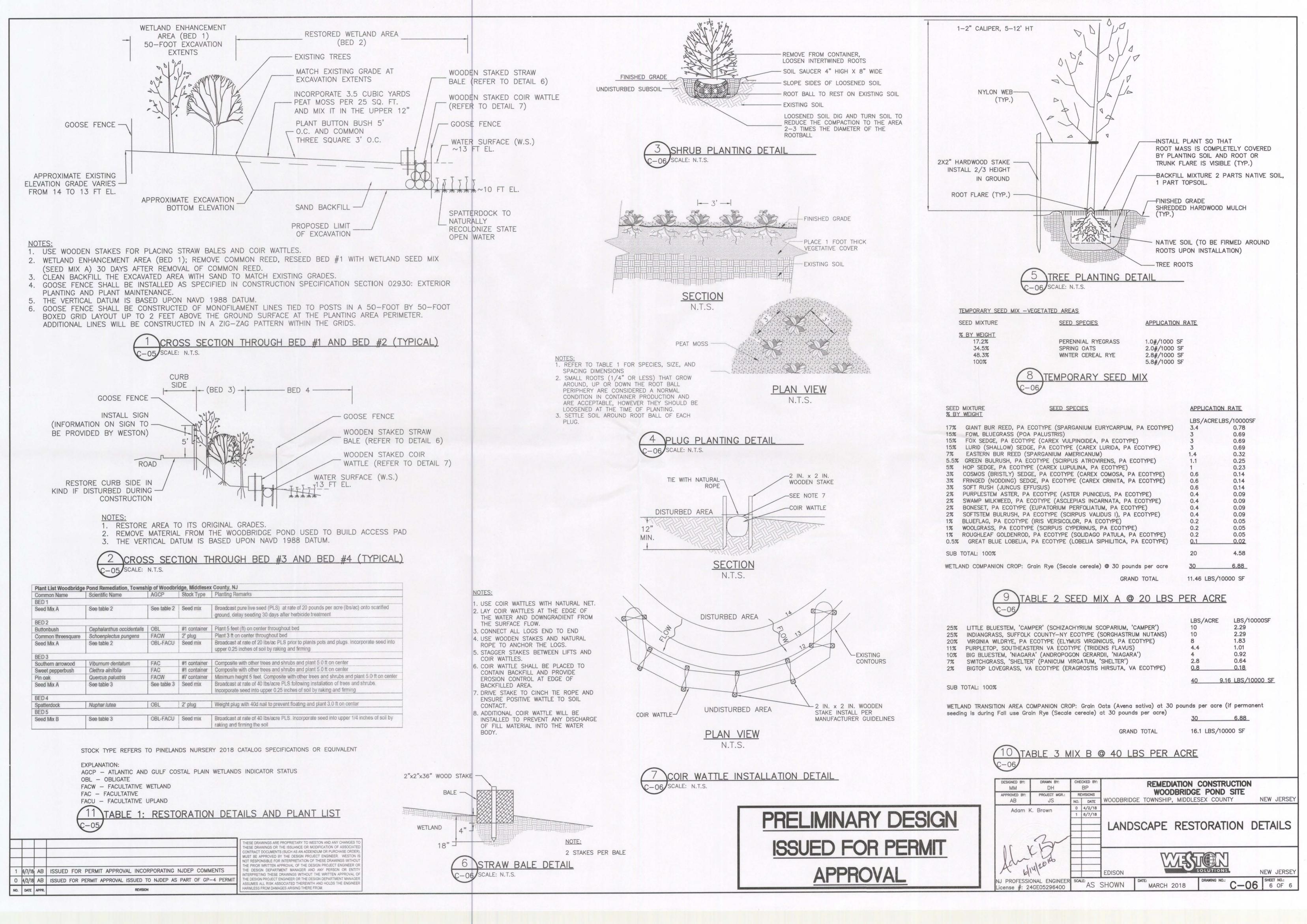












New Jersey Department of Environmental Protection

Mail Code - 401-02B **Bureau of Nonpoint Pollution Control Water Pollution Management Element PO Box 420**

Trenton, NJ 08625-0420 Phone: (609) 633-7021 Fax: (609) 777-0432

PI ID #: 792500

Portal ID#: 873194

NJPDES #: NJG0288365

Certification Date: 11/06/2018

This Certificate of Denial/Exemption form is requested to be located at the designated construction site at all times and be available for inspection by any authorized representative of the New Jersey Department of Environmental Protection. If you have designated an agent, it is your responsibility to notify your agent about this Certificate of Exemption.

> Certificate of Denial/Exemption 5G3 – Construction Activity Stormwater (GP)

Facility Name and Address:

WOODBRIDGE POND REMEDIATION Corner of Mac Lane and Riverside Drive Woodbridge Twp, NJ 07067

Type of Activity: Stormwater Discharge General Permit Authorization New

Owner:

Woodbridge Twp 1 main street Woodbridge Twp, NJ 07095 **Operating Entity:** WESTON SOLUTIONS INC

205 CAMPUS DR Edison, NJ 08837

Applicability

Questions	
*Is this a Single Family Dwelling with a land disturbance of one acre or more?	No
Is the discharge associated with a quarrying activity?	No
Does the disturbance disrupt the land filled material?	No
Is there less than 1 acre of disturbance as per SCD calculations?	Yes
Is the disturbance part of "Common Plan of Development" as per the SCD?"	No

Information provided above has been electronically certified online by the responsible party Brian Kirkpatrick On 11/06/2018.

Based on the information provided, it has been determined that the Stormwater Construction General Authorization is not applicable to your facility. If your facility is either Quarry or a Landfill, where landfilled material is disrupted, your application has been denied. You are not exempt from stormwater regulation and need to apply for a different NJPDES permit. As a courtesy we have compiled all of your responses and listed them in this report. The Department will maintain a record of your submission of this request for your facility. Be aware that you may need to apply for a different NJPDES permit. For further assistance please contact the Bureau of Non-Point Pollution Control at (609)633-7021.

Date: 11/06/2018

4000 Kozloski Road PO Box 5033

Freehold, NJ 07728 (732) 683-8500

Soil Conservation District - MIDDLESEX-MONMOUTH

James J. Murphy, Chief Bureau of Nonpoint Pollution Control Division of Water Quality

New Jersey Department of Environmental Protection

STORMWATER CONSTRUCTION AUTHORIZATION NON-APPLICABILITY SUMMARY

Site Information Summary

Portal ID: 873194

Project Name: Woodbridge Pond Remediation

Address: Corner of Mac Lane and Riverside Drive

Woodbridge Twp (Middlesex), NJ 07067

County: Middlesex

Municipality: Woodbridge Twp

Location Description: northeast of intersection of Mac lane and Riverside Drive

Coordinates: X Coordinate: 542145.98

Y Coordinate: 613846.70

Block and Lot: Block: 71 Lot: 7 County: Middlesex Municipality: Woodbridge Twp

Is the project in a Highlands Preservation area? No

Contacts

Name: brian kirpatrick

Title: dir. ecological services **Contact Type:** Fees/Billing Contact

E-Mail: brian.kirkpatrick@westonsolutions.com **Phone:** 7327136033 (Cell Phone Number)

Name: michael gelin

Title:

Contact Type: Owner

E-Mail: michael.gelin@twp.woodbridge.nj.us **Phone:** 7326026047 (Work Phone Number)

Name: Jason Schindler

Title:

Contact Type: Permittee

E-Mail: Jason.Schindler@westonsolutions.com **Phone:** 7324175800 (Work Phone Number)

Applicability Questionnaire

Is this a Single Family Dwelling with a land disturbance of one acre or more that was determined to be exempt from Chapter 251 certification? No

Is the discharge associated with a quarrying activity? No

Is the discharge associated with a landfill? No

Is there less than 1 acre of disturbance as per SCD calculations? Yes

Is the disturbance part of "Common Plan of Development" as per the SCD? No

SCD Certified Plan

SCD Certification Code: N/A 251 Identification Code: N/A

Soil Conservation District - MIDDLESEX-MONMOUTH

4000 Kozloski Road, PO Box 5033 Freehold, NJ, 07728, (732) 683-8500

Certification Information

Based on the information provided, it has been determined that the Stormwater Construction General Authorization is not applicable to your facility.

If your facility is either a Quarry or a Landfill, where landfilled material is disrupted, your application has been denied. You are not exempt from stormwater regulation and need to apply for a different NJPDES permit. As a courtesy we have compiled all of your responses and listed them in this report. The Department will maintain a record of your submission of this request for your facility. Be aware that you may need to apply for a different NJPDES permit. For further assistance please contact the Bureau of Non-Point Pollution Control at (609)633-7021.

Responsible Official - Brian Kirkpatrick Date - 11/06/2018

STORMWATER CONSTRUCTION AUTHORIZATION NON-APPLICABILITY SUMMARY

Site Information Summary

Portal ID: 873194

Project Name: Woodbridge Pond Remediation

Address: Corner of Mac Lane and Riverside Drive

Woodbridge Twp (Middlesex), NJ 07067

County: Middlesex

Municipality: Woodbridge Twp

Location Description: northeast of intersection of Mac lane and Riverside Drive

Coordinates: X Coordinate: 542145.98

Y Coordinate: 613846.70

Block and Lot: Block: 71 Lot: 7 County: Middlesex Municipality: Woodbridge Twp

Is the project in a Highlands Preservation area? No

Contacts

Name: brian kirpatrick

Title: dir. ecological services **Contact Type:** Fees/Billing Contact

E-Mail: brian.kirkpatrick@westonsolutions.com **Phone:** 7327136033 (Cell Phone Number)

Name: michael gelin

Title:

Contact Type: Owner

E-Mail: michael.gelin@twp.woodbridge.nj.us **Phone:** 7326026047 (Work Phone Number)

Name: Jason Schindler

Title:

Contact Type: Permittee

E-Mail: Jason.Schindler@westonsolutions.com **Phone:** 7324175800 (Work Phone Number)

Applicability Questionnaire

Is this a Single Family Dwelling with a land disturbance of one acre or more that was determined to be exempt from Chapter 251 certification? No

Is the discharge associated with a quarrying activity? No

Is the discharge associated with a landfill? No

Is there less than 1 acre of disturbance as per SCD calculations? Yes

Is the disturbance part of "Common Plan of Development" as per the SCD? No

SCD Certified Plan

SCD Certification Code: N/A 251 Identification Code: N/A

Soil Conservation District - MIDDLESEX-MONMOUTH

4000 Kozloski Road, PO Box 5033 Freehold, NJ, 07728, (732) 683-8500

Certification Information

Based on the information provided, it has been determined that the Stormwater Construction General Authorization is not applicable to your facility.

If your facility is either a Quarry or a Landfill, where landfilled material is disrupted, your application has been denied. You are not exempt from stormwater regulation and need to apply for a different NJPDES permit. As a courtesy we have compiled all of your responses and listed them in this report. The Department will maintain a record of your submission of this request for your facility. Be aware that you may need to apply for a different NJPDES permit. For further assistance please contact the Bureau of Non-Point Pollution Control at (609)633-7021.

Responsible Official - Brian Kirkpatrick Date - 11/06/2018

NJDEP Online Page 1 of 2

STORMWATER CONSTRUCTION AUTHORIZATION NON-APPLICABILITY SUMMARY

Site Information Summary

Portal ID: 873194

Project Name: Woodbridge Pond Remediation

Address: Corner of Mac Lane and Riverside Drive

Woodbridge Twp (Middlesex), NJ 07067

County: Middlesex

Municipality: Woodbridge Twp

Location Description: northeast of intersection of Mac lane and Riverside Drive

Coordinates: X Coordinate: 542145.98

Y Coordinate: 613846.70

Block and Lot:

Block: 71 Lot: 7 County: Middlesex Municipality: Woodbridge Twp

Is the project in a Highlands Preservation area? No

Contacts

Name: brian kirpatrick

Title: dir. ecological services
Contact Type: Fees/Billing Contact

E-Mail: brian.kirkpatrick@westonsolutions.com
Phone: 7327136033 (Cell Phone Number)

Name: michael gelin

Title:

Contact Type: Owner

E-Mail: michael.gelin@twp.woodbridge.nj.us Phone: 7326026047 (Work Phone Number)

Name: Jason Schindler

Title:

Contact Type: Permittee

E-Mail: Jason.Schindler@westonsolutions.com Phone: 7324175800 (Work Phone Number)

Applicability Questionnaire

Is this a Single Family Dwelling with a land disturbance of one acre or more that was determined to be exempt from Chapter 251 certification? No

Is the discharge associated with a quarrying activity? No

NJDEP Online Page 2 of 2

Is the discharge associated with a landfill? No

Is there less than 1 acre of disturbance as per SCD calculations? Yes

Is the disturbance part of "Common Plan of Development" as per the SCD? No

SCD Certified Plan

SCD Certification Code: N/A 251 Identification Code: N/A

Soil Conservation District - MIDDLESEX-MONMOUTH

4000 Kozloski Road, PO Box 5033

Freehold, NJ, 07728, (732) 683-8500 S

Certification Information

Based on the information provided, it has been determined that the Stormwater Construction General Authorization is not applicable to your facility.

If your facility is either a Quarry or a Landfill, where landfilled material is disrupted, your application has been denied. You are not exempt from stormwater regulation and need to apply for a different NJPDES permit. As a courtesy we have compiled all of your responses and listed them in this report. The Department will maintain a record of your submission of this request for your facility. Be aware that you may need to apply for a different NJPDES permit. For further assistance please contact the Bureau of Non-Point Pollution Control at (609)633-7021.

Responsible Official - Brian Kirkpatrick Date - 11/06/2018



PHILIP D. MURPHY

SHEILA Y. OLIVER Lt. Governor

Governor



PERMIT NO: SC 2019090 MIDDLESEX

Page 1 of 2

State of New Mersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF FISH & WILDLIFE WILDLIFE PERMITS UNIT Exotic & Nongame Wildlife Permits 26 Route 173 West Hampton NJ 08827

PHONE: (908) 735-5450 - FAX: 908-735-5689 E-mail Address: EXOTICPERMITS@dep.nj.gov CATHERINE R. MCCARE Commissioner

SCIENTIFIC COLLECTING PERMIT

This will certify that the NJ Division of Fish and Wildlife has authorized:

ANIMAL ARREST, LLC. Mike Vissichelli 26 Poplar St Metuchen NJ 08840

to collect/possess/release the following native fauna for scientific study:

PURPOSE OF STUDY: To perform construction monitoring and relocate herptile species outside of the work zone.

SPECIES AND NUMBERS: Unlimited numbers of locally occurring amphibians and reptiles found in the study/construction areas listed below may be captured and moved to a safer location away from construction zones.* * If any endangered salamander species is found during these surveys, especially the Blue Spotted Salamander (Ambystoma laterale), documentation of the species must be made on an Endangered and Threatened Wildlife Sighting Report Form.

LOCATIONS (Entrance to any land must be with the prior permission of the landowner or managing governmental agencies): Woodbridge Pond (Block 71, Lot 7) in Woodbridge Twp., Middlesex County. (Maps on File with the Wildlife Permits Unit)

SPECIAL CONDITIONS:

- 1. Visual searches will be conducted to look for reptile and amphibian species in the work area.
- 2. As needed, species may be captured with dip nets, wood probes or picked up by hand.
- 3. Amphibians and reptiles may be relocated out of the construction zone, at least 100 feet away.
- 4. Captured species MAY NOT be removed from study areas, only moved to a safer location.
- 5. If an endangered or threatened species is found, please contact the Endangered and Nongame Species Program immediately at (908) 236-0173
- 6. All boots, probing sticks, and related gear must be thoroughly cleaned and sanitized between visits to different wetlands to risk the spread of harmful pathogens between populations. Protocols found
 - http://www.northeastparc.org/products/pdfs/NEPARC Pub 2014-02 Disinfection Protocol.pdf
- 7. All capture/relocation data must be submitted to the Wildlife Permits Unit by January 31 of the following calendar year. Please include the number of species observed and physical locations (map, shapefile or lat/long coordinates).

STUDY DATES: March 22, 2019 through December 31, 2019.



PHILIP D. MURPHY

SHEILA Y. OLIVER
Lt. Governor



PERMIT NO: SC 2019090 MIDDLESEX Page 2 of 2

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF FISH & WILDLIFE WILDLIFE PERMITS UNIT Exotic & Nongame Wildlife Permits 26 Route 173 West Hampton NJ 08827

PHONE: (908) 735-5450 - FAX: 908-735-5689 E-mail Address: EXOTICPERMITS@dep.nj.gov CATHERINE R. MCCABE

SCIENTIFIC COLLECTING PERMIT (continued)

SUBPERMITTEES: Andrew Dangler.

IMPORTANT NOTE: A COPY OF THIS PERMIT AND A COPY OF THE ATTACHED GENERAL CONDITIONS FOR SCIENTIFIC COLLECTING PERMITS MUST BE CARRIED BY ALL PERMITTEES AND SUBPERMITTEES WHILE IN THE FIELD AND SHOWN UPON REQUEST WHILE ENGAGED IN COLLECTION ACTIVITIES. ALL SPECIFIC AND GENERAL CONDITIONS MUST BE STRICTLY ADHERED TO.

Every effort must be made to preserve natural habitats during research and collecting activities.

Any sightings or captures of Endangered and Threatened Wildlife must be reported to the Division of Fish and Wildlife on the enclosed <u>ENDANGERED AND THREATENED WILDLIFE SIGHTING REPORT FORM</u>. The report form must be fully completed and accompanied by a map with the location plotted.

The collection of New Jersey State Endangered and Threatened Species is <u>STRICTLY PROHIBITED</u> unless otherwise authorized.

Entrance to any land must be with the prior permission of the landowner or managing governmental agencies.

An annual report must be submitted to the New Jersey Division of Fish and Wildlife, Wildlife Permits Unit by January 31 for the preceding calendar year ending December 31. End of year report should include purpose of study, study design, conservation value of study, methods, data collected and results.

DATE ISSUED: MARCH 22, 2019

THIS PERMIT EXPIRES DECEMBER 31, 2019

FEE PAID: \$22.00

DIRECTOR DIVISION OF FISH & WILDLIFE

c:

-Central Region Law Office

-file



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHRIS CHRISTIE

Governor

KIM GUADAGNO

Lt. Governor

New Jersey Division of Fish and Wildlife Endangered and Nongame Species Program 501 E. State St. 3rd Fl.

PO Box 400 Trenton, NJ 08625 Tel: 609.292.9400

Fax: 609.984.1414 www.njfishandwildlife.com BOB MARTIN

The New Jersey Division of Fish and Wildlife Exotic and Nongame Wildlife Permits Section in coordination with the Endangered and Nongame Species Program have prepared this notice for all applicants who will be applying for, or renewing, their Scientific Collecting and/or Endangered Wildlife Permits.

In accordance with the requirements of N.J.A.C. 7:25-4.6 and 4.14, a report of the activities conducted under your permit or otherwise required as a condition of your permit must be provided to the Division of Fish and Wildlife, Wildlife Permits Unit within 30 days of the permit expiration date or as otherwise provided as a condition of the issued permit. All Scientific Collecting Permits expire December 31 of the year of issue. Failure to provide an acceptable written report will be grounds for non-renewal of permits and/or cancellation of State permit privileges.

If State Endangered, Threatened, or Special Concern species are captured or collected or otherwise observed in the course of your permitted activities, the activity report must include a report of such captures, collection, or observations submitted on a Sighting Report Form (copy attached). We strongly encourage permittees to include GIS data of sighting locations that includes a unique identifier corresponding to individual sighting report forms. Such data are best submitted on a CD-ROM.

Renewal Applications with fee and Reports should be mailed to:

NJ Division of Fish and Wildlife Wildlife Permits Unit Exotic & Nongame Wildlife Permits 26 Route 173 West Hampton, NJ 08827

A list of New Jersey's Endangered, Threatened, and Special Concern species can be found at:

http://www.njfishandwildlife.com/tandespp.htm

Sighting Report Forms and related information can be found at:

http://www.njfishandwildlife.com/ensp/pdf/rptform.pdf



DIVISION OF FISH & WILDLIFE WILDLIFE PERMITS UNIT Exotic & Nongame Wildlife Permits 26 Route 173 West Hampton NJ 08827

PHONE: (908) 735-5450 FAX: 908-735-5689 E-mail Address: EXOTICPERMITS@dep.nj.gov

www.njfishandwildlife.com

SCIENTIFIC COLLECTING PERMITS FOR EXOTIC & NONGAME ONLY

Enclosed is your current year permit for Scientific Collecting activities in New Jersey.

Please read your permit Special Conditions and this enclosure letter carefully (your Special Conditions may have changed from last year's permit). It is your responsibility to comply with all pertinent regulations while conducting scientific collecting activities in New Jersey. If you have any questions please call (908) 735-5450, Monday-Friday, 8:30 a.m. to 4:00 p.m. E.S.T.

In an effort to minimize disturbance during you and your subpermittees activities in the field, the Wildlife Permits Unit is delineating additional requirements as part of the conditions of your collecting permit. These conditions will help Division Law Enforcement personnel and other regulatory agencies to distinguish between permittees and non-permittees, thus allowing them to concentrate their efforts on illegal collecting activities. These conditions will be/are amended to your permit. Additional requirements and reiterations of established conditions are as follows:

- 1. Applications for Scientific Collecting permits MUST include the following:
 - A. Purpose of study;
 - B. Thorough description and explanation of project;
 - C. All study sites are to be defined accurately including maps;
 - All techniques, materials and methods of collection are to be thoroughly described (and referenced if applicable);
- E. Justification for permit approval must be thoroughly defined and explained in writing, i.e.: how necessary is the research, what is the aim of the researcher, what physical impact might the study have on the site and its wildlife, and most importantly, what the value of the study is relative to the conservation and management of the wildlife being collected or manipulated, especially in the case of self-initiated studies and endangered or threatened species work.
- 2. A written work plan schedule must be submitted with each application for each permit. This schedule should include activities of subpermittees authorized on permit, license plate numbers of all vehicles expected to be used by permittees and subpermittees, and a listing of dates and locations of research activities. These must be sent to the Wildlife Permits Unit, Exotic and Nongame Wildlife Permit Section. If there is any deviation from this schedule, the master permittee must inform in writing, the Wildlife Permits Unit, Exotic and Nongame Wildlife Permit Section PRIOR to any Scientific Collecting activities. A subpermittee WILL be allowed to work on a site in the absence of the master permittee, only if the date and location of the collecting activity has been previously reported in writing to the Wildlife Permits Unit, Exotic and Nongame Wildlife Permit Section. Failure to adhere to any of these conditions could result in fines, penalties and/or possible revocation of your permit/permits.
- 3. Applications for any permit <u>MUST</u> include exact descriptions and maps of area(s) where the applicant and subpermittees will be conducting collecting activities. Entrance to any land must be with the prior permission of the landowner or managing governmental agencies. Every effort must be made to preserve natural habitats during research and collecting activities.
- 4. Any type of traps utilized for Scientific Collecting must be tagged with the current Scientific Collecting Permit number as well as a contact name and telephone number. Traps that have not been authorized on a current permit may not be used in collecting activities.
- 5. If radio-telemetry equipment will be used in your study, the Wildlife Permits Unit must be notified in writing prior to the start of the study so transmitter frequencies can be approved by the Endangered and Nongame Species Program.
- 6. A copy of your current Scientific Collecting Permit and a copy of the General Conditions for Scientific Collecting permits must be carried by the permittee and all listed subpermittees while in the field and shown upon request while engaged in collection activities. All specific and general conditions must be strictly adhered to.

- 7. When permittees and subpermittees are in the field, unauthorized persons SHOULD NOT BE included in their collecting and research activities. Unauthorized people may not take or attempt to take wildlife or participate in collecting activities. The presence of on-lookers, including students, is strongly discouraged. Only permittees authorized for each specific site should be present during times of permitted activity. If unauthorized persons are found to be involved in collecting activities, they are subject to penalty or fine and the permittee is subject to penalty/fine and possible revocation of permit.
- 8. There can be <u>NO</u> variations in activities/subpermittees/locations/conditions, etc., authorized on each permit. Any new sites, activities, subpermittees, conditions, etc. must be requested <u>IN WRITING</u>. The request for an amendment will be thoroughly reviewed to determine if an amended permit will be issued. If an amendment is requested after an Exotic & Nongame permit is issued for the current year of issue, a \$5.00 amendment-processing fee will be required, per amendment. A two-week notification is required, in writing, prior to any amendment. Submission of a request for an amendment does not necessarily indicate Wildlife Permits Unit approval.
- 9. Any sightings of New Jersey Endangered and Threatened Wildlife must be reported to the Division of Fish and Wildlife. Endangered and Threatened Wildlife Sighting Report Forms are available on the New Jersey Division of Fish and Wildlife web site: www.njfishandwildlife.com
- 10. The collection of New Jersey State Endangered and Threatened Species is <u>STRICTLY PROHIBITED</u> unless otherwise authorized in writing from the New Jersey Division of Fish and Wildlife, Wildlife Permits Unit, Exotic and Nongame Wildlife Section and/or the Endangered and Threatened Species Program
- 11. "Holding" of collected regulated wildlife is defined as having specimens in physical possession for less than twenty-four (24) hours (unless otherwise authorized), as a result of collecting for the purpose of transporting specimens to named lab locations, which must be specified in the permit application. No specimens may be held or transported to a lab unless authorized by the permit. No specimens may be collected or transported from a site that is not indicated on the permit. Specimens may not go to a facility other than those listed. Prior written approval must be obtained from the Wildlife Permits Unit for "Holding" collected regulated wildlife for more than twenty-four hours (unless otherwise authorized). An additional SCIENTIFIC HOLDING nongame possession permit would also be required. If the regulated wildlife is on the current New Jersey Endangered Species list, an additional ENDANGERED SPECIES possession permit is also required.
- 12. Any observation of illegal collecting should be reported immediately to the appropriate Law Enforcement Office (see below) with as much relevant information (license plate numbers, etc.) as possible.
- 13. Final reports for projects described in each permit <u>MUST</u> be submitted to the New Jersey Division of Fish & Wildlife, Wildlife Permits Unit by January 31 for the preceding calendar year ending December 31. These reports should include purpose of study, methods and materials used, data collected, maps of sightings, dates, locations, and results, etc.

NEW JERSEY DIVISION OF FISH AND WILDLIFE BUREAU OF LAW ENFORCEMENT

+++++++++++++++++++++++++++++++++++++++	+++++++++++++++++++++++++++++++++++++++
NORTHERN REGION OFFICE	PHONE: (908) 735-8240
26 RT 173 West	FAX: 1-908-735-5689
Hampton NJ 08827	
	aic, Somerset, Sussex, Union and Warren counties
CENTRAL REGION OFFICE	PHONE: (609) 259-2120
1 Eldridge Road	FAX: 1-609-259-7479
Robbinsville NJ 08691	
Burlington, Mercer, Middlesex, Monmouth and Od	cean counties
	.++++++++++++++++++++++++++++++++++++++
SOUTHERN REGION OFFICE	PHONE: (856) 629-0555
220 Blue Anchor Road	FAX: 1-856-629-5044
Sicklerville, NJ 08081	
Atlantic, Camden, Cape May, Cumberland, Gloud	ester and Salem counties
	+++++++++++++++++++++++++++++++++++++++

RARE WILDLIFE SIGHTING REPORT FORM

REPORT FORM MUST BE ACCOMPANIED BY AN AERIAL PHOTOGRAPH, SATELLITE IMAGE, OR TOPOGRAPHIC MAP WITH THE LOCATION PRECISELY MARKED. PLEASE <u>PRINT</u> LEGIBLY. *The inclusion of a map is mandatory, please see other side for further information on obtaining a map.

General Information	
Today's Date	
Common Name	Scientific Name (If known)
Where did the sighting take place?	
Municipality/ Township	County
Topographic quad (if known)	Coordinates in state plane feet (if known)
Directions to location with landmarks, which will	enable the future relocation of the site where the species was sighted:
Land Owner (name, address and phone number, if Describe habitat at the point of sighting and habita	known)t in the general area of the sighting location.
Would you accompany a biologist to the site if nee Can you describe any immediate or future plans to If so, please describe.	develop or disturb the site? Yes No
Locational Accuracy	
I. Is your depiction of the sighting location on the location on the ground? Yes No (if no	topographic map or aerial photo within 6m (20ft) of the animals actual o, answer question 2 below)
2. Your mapping is accurate to within meters _	feet miles of the actual location.
What was observed?	
How was the species identification made? (ex. Sigh	nting, Call, Road Kill, etc.)
	, 10:30am)
	s location and over how long a period of time?
Number of individuals sighted: Adult Immatu	re Larva Unknown/Other
	g, Perched, Flying, Sunning, etc.)
	animal as the species you are reporting.

Were photos taken? Yes No W	'as video recorded? ☐ Yes ☐ No Was audio recorded? ☐ Yes ☐ No
And the second s	ENCOURAGED IN ORDER TO VERIFY THE ACCURACY OF A SIGHTING. location, and observer signature. Items will not be returned.)
List manuals used or experts consulted to verif	y identification.
Provide a brief background on wildlife knowle the sighting.	dge and/or experience, or additional information that would add to the validity of
Can this be verified by someone else or can an	yone vouch for your identification skills? Yes No
Describe any additional information that may be	be useful in regards to the condition of the animal or location.
Your Contact information	
Name	
Street	
	State ZIP
Daytime Phone () -	E-mail
Preferred method of contact	
Signature	
	ANV.
Caracana	Return to:
Conserve	Endangered and Nongame Species Program
Wildlife	NJ Division of Fish and Wildlife P.O. Box 420
WHUHIE)	Mail Code 501-03
	Trenton, NJ 08625-0420
N.J. Division of Fish, Game & Wedilfe Endangened & Nengame Species Program	609-292-9400 Fish and Wildlife
	Instructions
Complete this form for first-hand fi	eld observations only.

- 2. DO NOT COMPLETE THIS FORM if the source of your information is a report, letter, conversation, or other document. Send us the documentation instead.
- 3. Attach a copy of a map.(*see below)
- 4. Only report one species at each location per form and map.

*Mapping

A map is necessary to help our biologists determine if suitable habitat is present at the location. Once the suitability of the area is determined the map provided aids in the delineation of land to be protected. Ideally the most accurate form of map is an aerial photo, which can be obtained from http://www.state.nj.us/dep/gis/imapnj/imapnj.htm, if you are comfortable with your ability to identify the location of the sighting accurately on them. In addition, satellite-derived images are available at http://www.maps.google.com. These images can be printed and clearly marked with a pen. An alternative to an aerial photo or satellite image is a topographic map. You may also print copies of topographic maps from the internet at http://www.topozone.com. Please use 1:24,000 scale topographic maps only. Please provide either an image or a topographic map, but NOT both. Thank you.

Refer to the DFW website for further information: http://www.njfishandwildlife.com/ensp/rprtform.htm



STATE OF NEW JERSEY

Department of Environmental Protection

DIVISION OF FISH AND WILDLIFE

P.O. Box 420 Trenton, New Jersey 08625

Dave Golden, Acting Director Tel: (609) 292-2965 Fax:(609) 984-1414



SCIENTIFIC COLLECTION PERMIT

Statute:	Effective Date:	Expiration Date:	Permit No:
NJSA 23:4-52	April 07, 2019	October 31, 2019	19-016

The New Jersey Department of Environmental Protection Division of Fish and Wildlife grants this permit in accordance with your application, attachments accompanying same application and applicable laws and regulations. This permit is subject to further conditions and stipulations enumerated in the supporting documents, which are agreed to by the permittee upon acceptance of the permit.

Animal Arrest, LLC 26 Poplar Street Metuchen, NJ 08840 Researcher: Mike Vissichelli

Waterbodies:	
WOODBRIDGE POND (BLOCK 71, LOT 7)	

Sampling Equipment: ELECTROFISHING GEAR AND DIP NETS	Survey Purpose: REMOVAL OF PCB IMPACTED FISH
Fish Species: FISH SPECIES INHABITING IDENTIFIED WATERBODY	If checked, permittee authorized to retain samples.

PERMIT CONDITIONS:

The person/s named herein must be in possession of this permit during collection so that it can be shown to the Division of Fish and Wildlife Conservation Officers upon request.

Permittee shall notify the nearest Regional Law Enforcement Office when collecting in non-tidal waters, for tidal waters also contact Marine Police Station.

This permit does not convey the right to trespass. When collecting on public lands, permission must be obtained from the agency that administers these lands before collecting is initiated.

Permittee must comply with all reporting requirements.

Others operating under this permit must have a copy of this permit with their signature and the signature of designated permit researcher on their person when collecting.

DUE TO THE PRESENCE OF CONTAMINATED SEDIMENTS, ANY FISHES THAT MAY BE COLLECTED SHALL BE DESTROYED

FISH TO BE DESTROYED HUMANELY AND DISPOSED OF PROPERLY

Additional collectors covered under this permit:

Andy Dangler

April 08, 2019 Date

Dave Golden, Acting Director

XB